

## **NATALITY**

**1995**

### **INTRODUCTION**

This chapter on natality encompasses births to New Jersey residents during the calendar year 1995. The birth certificate is the source document for data included in the analysis. New Jersey law requires that the attending physician, midwife, or person acting as midwife file a certificate of birth with the Local Registrar within five days of a birth within the state. Statistics on births to New Jersey residents which occurred in other states are also included in this report. The inclusion of these data is made possible through the auspices of the Vital Statistics Cooperative Program, which encourages the exchange of information on vital events between the states of occurrence and residence.

The format of the birth certificate was revised and expanded in 1989. One of the major changes was the addition of check-off items regarding a number of medical factors affecting the mother or the infant. Findings from several of these items are included in this chapter. Another change in the birth certificate format was the inclusion of information on Hispanic origin of parents. This presented the opportunity to include detailed information in this report on the characteristics of mothers of Hispanic origin and on their birth outcomes.

## **STATISTICAL OVERVIEW**

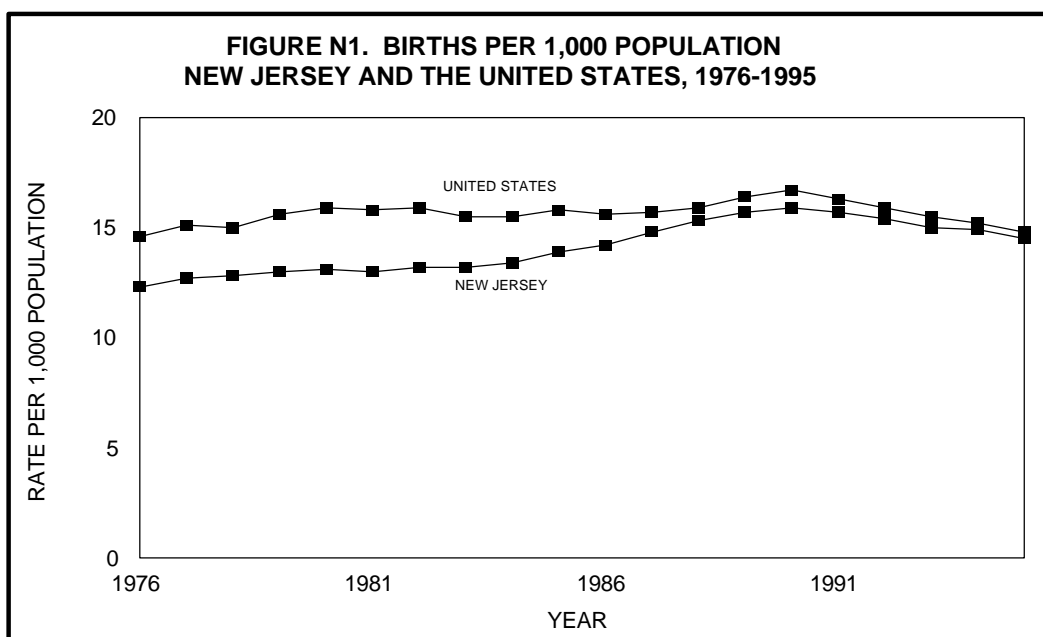
### **Number of Births**

In 1995, the number of New Jersey resident births was 114,905, a decrease of 2,779 births, or 2.4 percent, from the number of births in 1994 (Martin, R.M., et al., 1996). This was the fifth consecutive year in which the number of births to New Jersey residents declined following a long trend of increasing numbers of births which began in the mid-1970s and continued through the 1980s. Between 1994 and 1995, the number of births in the United States decreased 1.3 percent (Table N8). The trend in numbers of births in New Jersey has paralleled the trend in the nation as a whole which experienced a peak in the number of births in 1990 after steady increases beginning in the mid-1970s (Ventura, S.J. et al., 1997).

### **Birth Rate**

The birth rate in New Jersey in 1995 was 14.5 per 1,000 population, a 2.7 percent decrease from the 1994 rate. Like the number of births, the birth rates in New Jersey and the United States had been increasing for approximately fifteen years before peaking in 1990 and then decreasing (Table N8). Birth rates for the United States have been higher than for New Jersey over the past twenty years, but the gap appears to be narrowing (Figure N1).

Birth rates in New Jersey vary considerably by county (Table N9 and Figure N2). In 1995, the county with the highest birth rate per 1,000 county-specific population was Passaic County (17.1) and the lowest birth rate was in Cape May County (12.0). In addition to Passaic County, the following seven counties had birth rates higher than the statewide rate in 1995: Essex (16.6), Hudson (16.3), Atlantic (15.7), Somerset (15.0), Camden (14.9), Union (14.8), and Cumberland (14.6).



## **Fertility**

The general fertility rate is derived by dividing the number of births by the population of females aged 15 through 44. In 1995 the general fertility rate for New Jersey was 64.9 births per 1,000 females aged 15 through 44 (Table N1). This is a 1.7 percent decrease from the 1994 rate. The general fertility rate for the United States was 65.6 in 1995, which is slightly above the New Jersey rate (Ventura, S.J., et al., 1997).

Age-specific birth rates have experienced major shifts over the past two decades (Table N1). As in every year since 1990, three age groups had higher fertility rates in 1995 than in 1970: 10 through 14, 30 through 34, and 35 through 39. In 1995, as in 1994, the fertility rate for women aged 40 through 44 was also slightly higher. All other age groups had identical or lower fertility rates in 1995 than in 1970 with the greatest decrease occurring in the 20 through 24 group (a 49.6% decline).

Total fertility is an estimate of the number of children a group of women would have over their lifetimes at the age-specific rates in effect at the time total fertility is calculated. The total fertility rate is calculated by multiplying the age-specific birth rate for each five-year age group from ages 10 through 49 by five (the number of years in the age group), and adding the results for each of the groups. In New Jersey in 1995, the total fertility rate was 1,965.0, a 0.6 percent decrease from the 1994 rate. A total fertility rate of 2,110 per 1,000 females aged 10 through 49 is estimated to be the minimum needed for population replacement under current mortality conditions. The minimum population replacement rate assumes no net migration (U.S. Bureau of the Census, 1996). In 1970, the total fertility rate of 2,414.0 was well above the population replacement rate, however in 1980 the rate of 1,609.5 was well below. While the rates during the 1990s have been higher than in 1980, the total fertility rate has remained slightly below the population replacement rate.

| <b>TABLE N1. GENERAL FERTILITY, TOTAL FERTILITY, AND AGE-SPECIFIC BIRTH RATES<br/>NEW JERSEY, 1970, 1980, 1990, AND 1995</b> |                                       |                                     |                                                  |              |              |              |              |              |              |              |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>YEAR</b>                                                                                                                  | <b>GENERAL<br/>FERTILITY<br/>RATE</b> | <b>TOTAL<br/>FERTILITY<br/>RATE</b> | <b>AGE-SPECIFIC BIRTH RATES BY AGE OF MOTHER</b> |              |              |              |              |              |              |              |
|                                                                                                                              |                                       |                                     | <b>10-14</b>                                     | <b>15-19</b> | <b>20-24</b> | <b>25-29</b> | <b>30-34</b> | <b>35-39</b> | <b>40-44</b> | <b>45-49</b> |
| <b>1970</b>                                                                                                                  | 81.2                                  | 2,414.0                             | 0.8                                              | 49.8         | 154.8        | 155.5        | 80.3         | 33.4         | 7.8          | 0.4          |
| <b>1980</b>                                                                                                                  | 57.4                                  | 1,609.5                             | 1.0                                              | 35.2         | 87.0         | 108.8        | 66.3         | 20.0         | 3.4          | 0.2          |
| <b>1990</b>                                                                                                                  | 67.3                                  | 1,941.5                             | 1.1                                              | 40.9         | 84.6         | 116.8        | 99.0         | 39.6         | 6.0          | 0.3          |
| <b>1995</b>                                                                                                                  | 64.9                                  | 1,965.0                             | 0.9                                              | 37.8         | 78.0         | 117.3        | 104.0        | 46.1         | 8.5          | 0.4          |

| <b>TABLE N1A. GENERAL FERTILITY, TOTAL FERTILITY, AND AGE-SPECIFIC BIRTH RATES<br/>MOTHERS OF WHITE AND BLACK RACES<br/>NEW JERSEY, 1995</b> |                                       |                                     |                                                  |              |              |              |              |              |              |              |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------|--------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>MOTHER'S<br/>RACE</b>                                                                                                                     | <b>GENERAL<br/>FERTILITY<br/>RATE</b> | <b>TOTAL<br/>FERTILITY<br/>RATE</b> | <b>AGE-SPECIFIC BIRTH RATES BY AGE OF MOTHER</b> |              |              |              |              |              |              |              |
|                                                                                                                                              |                                       |                                     | <b>10-14</b>                                     | <b>15-19</b> | <b>20-24</b> | <b>25-29</b> | <b>30-34</b> | <b>35-39</b> | <b>40-44</b> | <b>45-49</b> |
| <b>WHITE</b>                                                                                                                                 | 61.2                                  | 1,840.7                             | 0.4                                              | 27.4         | 66.3         | 114.0        | 105.9        | 45.7         | 8.1          | 0.3          |
| <b>BLACK</b>                                                                                                                                 | 72.5                                  | 2,197.7                             | 3.1                                              | 85.1         | 125.1        | 112.0        | 72.5         | 34.3         | 7.4          | 0.1          |

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Fertility rates differ for black and white females (Table N1A). In 1995, the general fertility rate for black females was 18.5 percent higher than for white females, a narrowing of the gap that existed in 1994. This was due to a 8.3 percent decline in the black fertility rate. The fertility patterns continued to differ by age. Through age 24, black age-specific birth rates were considerably higher than white rates. In the age group 25 through 29, the rates were very similar and for women in all other age groups through 49 years, white age-specific birth rates exceeded black rates by a substantial margin. The numbers of births to women of racial groups other than white or black were too small to permit calculation of stable rates.

The total fertility rate for black females exceeded the rate for white females by 19.4 percent. The total fertility rate for black women continued to exceed the population replacement rate (by 4.2 percent), while the total fertility rate for white females remained below the population replacement rate (by 12.8 percent).

### **Sex and Plurality**

In New Jersey in 1995, as is the usual case, more males were born than females. There were 1,053 males born for every 1,000 females. By race, the male-female ratios were: 1.055 for whites, 1.058 for blacks, and 1.014 for races other than white or black (Table N2). For births to mothers of Hispanic origin (of any race), the ratio was 1.037. Resident births by sex and county are given in Table N10.

In 1995, 111,352 or 96.9 percent of births were single deliveries, 3,193 (2.8%) were part of a twin delivery, and 264 (0.2%) were part of a triplet or higher plurality delivery. Plurality was not stated on 96 birth certificates (0.1%) in 1995 (CHS, 1997a).

| <b>TABLE N2. RESIDENT BIRTHS BY RACE OF MOTHER AND SEX OF CHILD<br/>NEW JERSEY, 1995</b> |             |               |                          |
|------------------------------------------------------------------------------------------|-------------|---------------|--------------------------|
| <b>RACE</b>                                                                              | <b>MALE</b> | <b>FEMALE</b> | <b>MALE/FEMALE RATIO</b> |
| WHITE                                                                                    | 43,274      | 41,019        | 1.055                    |
| BLACK                                                                                    | 10,655      | 10,068        | 1.058                    |
| OTHER                                                                                    | 3,531       | 3,483         | 1.014                    |
| NOT STATED                                                                               | 1,477       | 1,398         | 1.057                    |
| TOTAL                                                                                    | 58,937      | 55,968        | 1.053                    |

### **Attendant at Birth**

The majority of New Jersey women had their babies delivered by a Doctor of Medicine (103,921 births or 90.4%), while the remainder used Doctors of Osteopathy (5,504 births or 4.8%), certified nurse midwives (4,178 births or 3.6%), or other midwives (19 births). The remaining babies were delivered by another person or the attendant was not stated on the birth certificate (CHS, 1996a).

### **Method of Delivery**

The revised birth certificate implemented in January, 1989 in New Jersey included an item on method of delivery. This item consisted of a list of six types of delivery, with instructions to "check all that apply". Data tables on method of delivery are presented in Tables N3A and N3B. It should be noted that there were deficiencies found in the quality and completeness of reporting of this item in the early years following implementation of the new certificate. These problems appear to have diminished, with a decline in the number of records with no stated method of delivery and few records with an inconsistent configuration of delivery methods in 1995. These two types of reporting problems were particularly evident in 1989 and 1990 files.

In 1995, 73.1 percent of resident births were vaginal deliveries and 22.2 percent were cesarean sections. The remaining 4.8 percent of deliveries had no method stated (Table N3A). Of the 83,986 vaginal deliveries, 3,575 or 4.3 percent were vaginal deliveries of women who had had a previous cesarean section. Three of every five cesarean sections (61.8%) were first-time cesareans (primary cesareans) and the remaining 38.2 percent were repeat cesarean sections.

No clear trend is evident in the total cesarean delivery rate; this rate has been generally stable over the past six years (Table N3B) and stood at 22.2 percent of total births in 1995. Also, the percent of first-time cesarean deliveries to women who have never had a cesarean (primary cesareans) has fluctuated over the past six years and was at 16.4 per 100 women who had not had a previous cesarean in 1995. More than one in four deliveries in 1995 to women who had had a previous cesarean were vaginal deliveries (26.9 per 100 live births to women with a previous cesarean). This rate has increased steadily since 1989 when it was 15.3 per 100 live births to women with a previous cesarean.

| <b>TABLE N3A. RESIDENT LIVE BIRTHS BY METHOD OF DELIVERY<br/>NEW JERSEY, 1995</b> |                             |                             |
|-----------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| <b>METHOD OF DELIVERY</b>                                                         | <b>NUMBER<br/>OF BIRTHS</b> | <b>PERCENT<br/>OF TOTAL</b> |
| TOTAL BIRTHS                                                                      | 114,905                     | 100.0                       |
| TOTAL VAGINAL                                                                     | 83,986                      | 73.1                        |
| WITHOUT PREVIOUS CESAREAN SECTION, NO OTHER METHOD                                | 73,507                      | 64.0                        |
| WITHOUT PREVIOUS CESAREAN SECTION AND WITH FORCEPS                                | 2,469                       | 2.1                         |
| WITHOUT PREVIOUS CESAREAN SECTION AND WITH VACUUM                                 | 4,225                       | 3.7                         |
| WITHOUT PREVIOUS CESAREAN SECTION AND WITH FORCEPS<br>AND VACUUM                  | 210                         | 0.2                         |
| AFTER PREVIOUS CESAREAN SECTION, NO OTHER METHOD                                  | 3,141                       | 2.7                         |
| AFTER PREVIOUS CESAREAN SECTION WITH FORCEPS                                      | 158                         | 0.1                         |
| AFTER PREVIOUS CESAREAN SECTION WITH VACUUM                                       | 263                         | 0.2                         |
| AFTER PREVIOUS CESAREAN SECTION WITH FORCEPS AND VACUUM                           | 13                          | 0.0                         |
| TOTAL CESAREAN SECTIONS                                                           | 25,453                      | 22.2                        |
| PRIMARY CESAREAN SECTION, NO OTHER METHOD                                         | 15,619                      | 13.6                        |
| PRIMARY CESAREAN SECTION WITH FORCEPS                                             | 15                          | 0.0                         |
| PRIMARY CESAREAN SECTION WITH VACUUM                                              | 87                          | 0.1                         |
| PRIMARY CESAREAN SECTION WITH FORCEPS AND VACUUM                                  | 6                           | 0.0                         |
| REPEAT CESAREAN SECTIONS, NO OTHER METHOD                                         | 9,642                       | 8.4                         |
| REPEAT CESAREAN SECTIONS WITH FORCEPS                                             | 7                           | 0.0                         |
| REPEAT CESAREAN SECTIONS WITH VACUUM                                              | 68                          | 0.1                         |
| CESAREAN SECTIONS, UNKNOWN TYPE                                                   | 9                           | 0.0                         |
| NOT STATED                                                                        | 5,466                       | 4.8                         |

**TABLE N3B. LIVE BIRTHS BY METHOD OF DELIVERY AND RATES OF CESAREAN DELIVERY,  
PRIMARY CESAREAN DELIVERY AND VAGINAL BIRTH AFTER PREVIOUS CESAREAN DELIVERY  
NEW JERSEY, 1989-1995**

| YEAR | ALL BIRTHS | BIRTHS BY METHOD OF DELIVERY |                         |          |         |        |            |            | CESAREAN DELIVERY RATE |                      | RATE OF VAGINAL BIRTH AFTER PREVIOUS CESAREAN <sup>3</sup> |
|------|------------|------------------------------|-------------------------|----------|---------|--------|------------|------------|------------------------|----------------------|------------------------------------------------------------|
|      |            | VAGINAL                      |                         | CESAREAN |         |        |            | NOT STATED | TOTAL <sup>1</sup>     | PRIMARY <sup>2</sup> |                                                            |
|      |            | TOTAL                        | AFTER PREVIOUS CESAREAN | TOTAL    | PRIMARY | REPEAT | NOT STATED |            |                        |                      |                                                            |
| 1995 | 114,905    | 83,986                       | 3,575                   | 25,453   | 15,727  | 9,717  | 9          | 5,466      | 22.2                   | 16.4                 | 26.9                                                       |
| 1994 | 117,684    | 85,248                       | 2,931                   | 26,607   | 16,350  | 10,257 | 0          | 5,829      | 22.6                   | 16.6                 | 22.2                                                       |
| 1993 | 117,841    | 84,784                       | 2,927                   | 27,579   | 16,839  | 10,740 | 0          | 5,478      | 23.4                   | 17.1                 | 21.4                                                       |
| 1992 | 120,498    | 86,660                       | 2,815                   | 27,512   | 16,603  | 10,908 | 1          | 6,326      | 22.8                   | 16.5                 | 20.5                                                       |
| 1991 | 121,435    | 88,080                       | 2,572                   | 27,456   | 16,579  | 10,877 | 0          | 5,899      | 22.6                   | 16.2                 | 19.1                                                       |
| 1990 | 123,054    | 87,904                       | 2,343                   | 28,713   | 17,435  | 11,249 | 29         | 6,437      | 23.3                   | 16.9                 | 17.2                                                       |
| 1989 | 121,643    | 84,445                       | 1,954                   | 29,078   | 18,256  | 10,804 | 18         | 8,120      | 23.9                   | 18.1                 | 15.3                                                       |

<sup>1</sup>PERCENT OF ALL LIVE BIRTHS BY CESAREAN DELIVERY.

<sup>2</sup>NUMBER OF PRIMARY CESAREANS PER 100 LIVE BIRTHS TO WOMEN WHO HAVE NOT HAD A PREVIOUS CESAREAN.

<sup>3</sup>NUMBER OF VAGINAL BIRTHS AFTER PREVIOUS CESAREAN DELIVERY PER 100 LIVE BIRTHS TO WOMEN WITH A PREVIOUS CESAREAN DELIVERY.  
(EXAMPLE: IN 1995, 13,292 DELIVERIES WERE TO WOMEN WHO WERE REPORTED TO HAVE HAD A PREVIOUS CESAREAN: 3,575 VAGINAL DELIVERIES AFTER AT LEAST ONE PREVIOUS CESAREAN AND 9,717 WHO HAD A REPEAT CESAREAN. WHEN THE BIRTHS DELIVERED VAGINALLY AFTER A PREVIOUS CESAREAN, 3,575, ARE DIVIDED BY THE TOTAL DELIVERIES TO WOMEN WHO HAD HAD A PREVIOUS CESAREAN, 13,292, AND THE RESULT MULTIPLIED BY 100, THE RATE OF VAGINAL BIRTH AFTER A PREVIOUS CESAREAN BECOMES 26.9 PER 100 LIVE BIRTHS TO WOMEN WITH A PREVIOUS CESAREAN).

## **MATERNAL CHARACTERISTICS**

### **Age**

The modal age group of New Jersey resident women giving birth in 1995 was 30 through 34. The modal group is that with the greatest number of births. The median age of mothers was 29.7 years, where the median age is that age where half of the mothers are older and half are younger. Nearly one-third of births were to women aged 30 through 34 (35,976 births or 31.3%) and slightly less than thirty percent were to women aged 25 through 29 (31,703 births or 27.6%) (Table N11). In 1995, 16.7 percent of births were to women 35 years and older (19,228 births). This is a 3.8 percent increase over the 1994 number. The 9,344 births to women under 20 years of age accounted for 8.1 percent of the total number of births in 1995, a 2.8 percent decrease from the previous year (Table N12).

Hispanic women giving birth in 1995 tended to be younger than New Jersey mothers overall. The modal age group for Hispanics was 20 through 24 (5,105 births or 27.6%) and the median age was 26.2 years. The age group with the second highest number of births was 25 through 29 (4,993 births or 27.0%) (Table N11A).

Births to resident women under the age of 20 vary considerably by county (Table N13). The county with the highest percentage of births to teenage mothers was Cumberland County (20.0%). The overall state percentage of births to teenagers was 8.1 percent in 1995, a decrease from the 8.2 percent of births to teen mothers in 1994 (Table N12).

### **Race and Ethnicity**

In 1995, there were 84,293 births to white women (73.4%), 20,723 to black women (18.0%), 1,218 to Asian Indian women (1.1%), 1,206 to Filipino women (1.0%), 1,157 to Chinese women (1.0%), 885 to Korean women (0.8%), 1,210 to other Asian/Pacific Islander women (1.1%), 391 to Native American women (0.3%), and 947 to women of other races (0.8%). Race of the mother was unknown or not stated on 2,875 birth certificates (2.5%). Mother's race by county of residence is presented in Table N14.

There were 18,526 births to women of Hispanic origin of any race in New Jersey in 1995. Of these women, 16,294 stated their race as white (88.0%), 1,302 stated their race as black (7.0%), and 780 stated their race as other than white or black (4.2%). Race was not stated on 150 birth certificates with mothers of Hispanic origin (0.8%) (Table 11A). There were 763 more births to Hispanic women in New Jersey in 1995 than there were in 1994 even though the total number of births in the state decreased. Approximately half (48.8%) of the births to Hispanic women were to residents of Hudson, Passaic, or Essex Counties (Table N15). In 1995, 43.9 percent of New Jersey's Hispanic mothers reported Central or South America as their country of origin; 38.3 percent were of Puerto Rican origin, 11.4 percent of Mexican origin, 4.6 percent of Cuban origin, and the remaining 1.8 percent of other or unknown Hispanic origin (Table N16).

### **Marital Status**

In 1995, over one-quarter (27.2%) of New Jersey mothers were unmarried at the time of their child's birth, conception, or at any time between. Other than slight declines in 1985 and 1995, the percentage of unmarried mothers has been increasing in New Jersey over the last two decades (Table N17). Table N19 presents mother's marital status by county of residence.

Marital status varied considerably by race and Hispanic ethnicity. While 65.7 percent of black mothers were unmarried, 19.5 percent of white mothers and 12.9 percent of other race mothers were not married. Despite the differences in the marital status of black and white mothers, the number of births to unmarried white females exceeded the number of births to unmarried black females (Table N18). Overall, 48.3 percent

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of Hispanic mothers were not married, however this also varied substantially, by country of origin: 58.4 percent of Puerto Rican mothers, 54.3 percent of Mexican mothers, 41.5 percent of Central and South American mothers, and 21.4 percent of Cuban mothers were unmarried. Among mothers of other or unknown Hispanic origin, 33.4 percent were not married (CHS, 1997a).

Another variable related to marital status is age of the mother. Only 2.2 percent of mothers under the age of fifteen were married, while 92.7 percent of mothers aged 45 and over were married. Of all mothers under the age of 25, two-thirds (66.3%) were not married (Table N4). Table N20 distributes marital status by age and race of the mother.

| <b>TABLE N4. RESIDENT BIRTHS BY AGE AND MARITAL STATUS OF THE MOTHER<br/>NEW JERSEY, 1995</b>                           |                         |                        |                |                    |                |                   |                |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|----------------|--------------------|----------------|-------------------|----------------|
| <b>AGE OF<br/>MOTHER</b>                                                                                                | <b>TOTAL<br/>BIRTHS</b> | <b>MARITAL STATUS*</b> |                |                    |                |                   |                |
|                                                                                                                         |                         | <b>MARRIED</b>         |                | <b>NOT MARRIED</b> |                | <b>NOT STATED</b> |                |
|                                                                                                                         |                         | <b>NUMBER</b>          | <b>PERCENT</b> | <b>NUMBER</b>      | <b>PERCENT</b> | <b>NUMBER</b>     | <b>PERCENT</b> |
| UNDER 15                                                                                                                | 227                     | 5                      | 2.2            | 222                | 97.8           | 0                 | 0.0            |
| 15-19                                                                                                                   | 9,117                   | 1,145                  | 12.6           | 7,960              | 87.3           | 12                | 0.1            |
| 20-24                                                                                                                   | 18,576                  | 8,236                  | 44.3           | 10,321             | 55.6           | 18                | 0.1            |
| 25-34                                                                                                                   | 67,679                  | 56,977                 | 84.2           | 10,646             | 15.7           | 56                | 0.1            |
| 35-44                                                                                                                   | 19,119                  | 17,026                 | 89.1           | 2,064              | 10.8           | 28                | 0.1            |
| 45 AND OVER                                                                                                             | 109                     | 101                    | 92.7           | 7                  | 6.4            | 1                 | 0.9            |
| NOT STATED                                                                                                              | 78                      | 50                     | 64.1           | 28                 | 35.9           | 0                 | 0.0            |
| <b>TOTAL</b>                                                                                                            | <b>114,905</b>          | <b>83,540</b>          | <b>72.7</b>    | <b>31,248</b>      | <b>27.2</b>    | <b>115</b>        | <b>0.1</b>     |
| * AS DETERMINED BY RESPONSE TO THE BIRTH CERTIFICATE ITEM: "MOTHER MARRIED? (AT BIRTH, CONCEPTION OR ANY TIME BETWEEN)" |                         |                        |                |                    |                |                   |                |

### **Prenatal Care**

A total of 1,169,875 prenatal visits were reported by New Jersey women who delivered in 1995. That is an average of 11.5 visits by women who received prenatal care. The number of prenatal care visits was not stated on 10.2 percent of certificates in 1995 (CHS, 1997a).

Of all New Jersey residents delivering in 1995, 74.6 percent began receiving prenatal care in the first trimester of pregnancy while 1.1 percent received no prenatal care. Onset of prenatal care was not stated on 9.7 percent of birth certificates (Table N5).

Onset of prenatal care varied considerably by race, Hispanic ethnicity, and marital status. While 80.1 percent of white mothers and 74.7 percent of mothers of races other than white or black received prenatal care in the first trimester of pregnancy, only 61.2 percent of black mothers received care in the first trimester (Table N5). Among mothers of Hispanic origin, 66.7 percent began prenatal care in the first trimester (Table N5A), while 80.2 percent of non-Hispanic mothers sought early prenatal care. Prenatal care started in the first trimester for 80.7 percent of married mothers (CHS, 1997a) and 58.5 percent of unmarried mothers (Table N5B). Onset of prenatal care by county of residence is provided in Table N21.

Teenage mothers of any race, ethnicity, or marital status received first trimester prenatal care less often than their older counterparts. Overall, slightly more than half (53.8%) of mothers under the age of 20 obtained first trimester prenatal care (Table N5). By race, first trimester care was obtained by 58.8 percent of white



teens, 48.1 percent of black teens, and 51.9 percent of other race teenage mothers. Additionally, 58.1 percent of married teenage mothers began prenatal care in the first trimester (CHS, 1997a) while 53.2 percent of unmarried teen mothers received prenatal care this early (Table N5B).

Percentages of mothers receiving no prenatal care also varied by age, race, Hispanic ethnicity, and marital status. While 4.2 percent of black mothers delivering in 1995 received no prenatal care, only 0.5 percent of white mothers and 0.4 percent of other race mothers did not receive any care (Table N5). Of Hispanic women (of any race) who delivered in 1995, 1.1 percent reported receiving no prenatal care (Table N5A) and 1.2 percent of non-Hispanic women reported no prenatal care (CHS, 1997a). The percentages of married and unmarried females who received no prenatal care also varied dramatically: 3.6 percent of unmarried mothers obtained no care (Table N5B) and 0.2 percent of married mothers did not receive prenatal care (CHS, 1997a). Teenage mothers failed to receive prenatal care more often than mothers aged 20 and over (2.2% vs. 1.0%). More than three percent of black teenage mothers received no prenatal care (3.2%) while 1.6 percent of white teenage mothers obtained no care (Table N5). Of 231 births to teenage mothers of races other than white or black, all but four reported receiving prenatal care. While 1.6 percent of Hispanic teenage mothers received no prenatal care (Table N5A), 2.6 percent of non-Hispanic teenage mothers had no prenatal care (CHS, 1997a). Of married teen mothers, 1.0 percent did not receive care (CHS, 1997a) while 2.4 percent of unmarried teenage mothers received no prenatal care (Table N5B).

### **Level of Education**

Entry into prenatal care programs is also related to the mother's level of educational attainment. While only 56.0 percent of mothers with less than a high school education received first trimester prenatal care, 90.1 percent of mothers with a college degree received care in the first three months of pregnancy. Additionally, 3.6 percent of mothers without a high school diploma received no prenatal care. This compares with 0.1 percent of mothers with a college degree (Table N6).

**TABLE N5. RESIDENT BIRTHS BY RACE AND AGE OF MOTHER  
AND ONSET OF PRENATAL CARE  
NEW JERSEY, 1995**

| RACE AND<br>AGE GROUP | TOTAL<br>BIRTHS | TRIMESTER PRENATAL CARE BEGAN |         |        |         |        |         |         |         |            |         |
|-----------------------|-----------------|-------------------------------|---------|--------|---------|--------|---------|---------|---------|------------|---------|
|                       |                 | FIRST                         |         | SECOND |         | THIRD  |         | NO CARE |         | NOT STATED |         |
|                       |                 | NUMBER                        | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER  | PERCENT | NUMBER     | PERCENT |
| <b>White</b>          |                 |                               |         |        |         |        |         |         |         |            |         |
| Under 20              | 5,074           | 2,984                         | 58.8    | 1,385  | 27.3    | 304    | 6.0     | 80      | 1.6     | 321        | 6.3     |
| 20-24                 | 11,953          | 8,199                         | 68.6    | 2,310  | 19.3    | 526    | 4.4     | 113     | 0.9     | 805        | 6.7     |
| 25 & Over             | 67,230          | 56,339                        | 83.8    | 4,720  | 7.0     | 877    | 1.3     | 206     | 0.3     | 5,088      | 7.6     |
| Not Stated            | 36              | 23                            | 63.9    | 4      | 11.1    | 0      | 0.0     | 1       | 2.8     | 8          | 22.2    |
| Total                 | 84,293          | 67,545                        | 80.1    | 8,419  | 10.0    | 1,707  | 2.0     | 400     | 0.5     | 6,222      | 7.4     |
| <b>Black</b>          |                 |                               |         |        |         |        |         |         |         |            |         |
| Under 20              | 3,938           | 1,894                         | 48.1    | 1,264  | 32.1    | 326    | 8.3     | 125     | 3.2     | 329        | 8.4     |
| 20-24                 | 5,421           | 3,225                         | 59.5    | 1,221  | 22.5    | 333    | 6.1     | 204     | 3.8     | 438        | 8.1     |
| 25 & Over             | 11,333          | 7,557                         | 66.7    | 1,774  | 15.7    | 441    | 3.9     | 528     | 4.7     | 1,033      | 9.1     |
| Not Stated            | 31              | 8                             | 25.8    | 3      | 9.7     | 1      | 3.2     | 7       | 22.6    | 12         | 38.7    |
| Total                 | 20,723          | 12,684                        | 61.2    | 4,262  | 20.6    | 1,101  | 5.3     | 864     | 4.2     | 1,812      | 8.7     |
| <b>Other</b>          |                 |                               |         |        |         |        |         |         |         |            |         |
| Under 20              | 231             | 120                           | 51.9    | 58     | 25.1    | 24     | 10.4    | 4       | 1.7     | 25         | 10.8    |
| 20-24                 | 937             | 579                           | 61.8    | 204    | 21.8    | 61     | 6.5     | 8       | 0.9     | 85         | 9.1     |
| 25 & Over             | 5,842           | 4,535                         | 77.6    | 701    | 12.0    | 160    | 2.7     | 16      | 0.3     | 430        | 7.4     |
| Not Stated            | 4               | 2                             | 50.0    | 0      | 0.0     | 0      | 0.0     | 0       | 0.0     | 2          | 50.0    |
| Total                 | 7,014           | 5,236                         | 74.7    | 963    | 13.7    | 245    | 3.5     | 28      | 0.4     | 542        | 7.7     |
| <b>Not Stated</b>     |                 |                               |         |        |         |        |         |         |         |            |         |
| Under 20              | 101             | 30                            | 29.7    | 21     | 20.8    | 6      | 5.9     | 0       | 0.0     | 44         | 43.6    |
| 20-24                 | 265             | 49                            | 18.5    | 26     | 9.8     | 1      | 0.4     | 2       | 0.8     | 187        | 70.6    |
| 25 & Over             | 2,502           | 154                           | 6.2     | 38     | 1.5     | 4      | 0.2     | 4       | 0.2     | 2,302      | 92.0    |
| Not Stated            | 7               | 1                             | 14.3    | 1      | 14.3    | 0      | 0.0     | 0       | 0.0     | 5          | 71.4    |
| Total                 | 2,875           | 234                           | 8.1     | 86     | 3.0     | 11     | 0.4     | 6       | 0.2     | 2,538      | 88.3    |
| <b>All Races</b>      |                 |                               |         |        |         |        |         |         |         |            |         |
| Under 20              | 9,344           | 5,028                         | 53.8    | 2,728  | 29.2    | 660    | 7.1     | 209     | 2.2     | 719        | 7.7     |
| 20-24                 | 18,576          | 12,052                        | 64.9    | 3,761  | 20.2    | 921    | 5.0     | 327     | 1.8     | 1,515      | 8.2     |
| 25 & Over             | 86,907          | 68,585                        | 78.9    | 7,233  | 8.3     | 1,482  | 1.7     | 754     | 0.9     | 8,853      | 10.2    |
| Not Stated            | 78              | 34                            | 43.6    | 8      | 10.3    | 1      | 1.3     | 8       | 10.3    | 27         | 34.6    |
| Total                 | 114,905         | 85,699                        | 74.6    | 13,730 | 11.9    | 3,064  | 2.7     | 1,298   | 1.1     | 11,114     | 9.7     |

***Nativity/1995***

**TABLE N5A. RESIDENT BIRTHS TO MOTHERS OF HISPANIC ORIGIN BY AGE OF MOTHER AND ONSET OF PRENATAL CARE  
NEW JERSEY, 1995**

| AGE<br>GROUP | TOTAL<br>BIRTHS | TRIMESTER PRENATAL CARE BEGAN |         |        |         |        |         |         |         |            |         |
|--------------|-----------------|-------------------------------|---------|--------|---------|--------|---------|---------|---------|------------|---------|
|              |                 | FIRST                         |         | SECOND |         | THIRD  |         | NO CARE |         | NOT STATED |         |
|              |                 | NUMBER                        | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER  | PERCENT | NUMBER     | PERCENT |
| Under 20     | 2,936           | 1,655                         | 56.4    | 880    | 30.0    | 181    | 6.2     | 48      | 1.6     | 172        | 5.9     |
| 20-24        | 5,105           | 3,162                         | 61.9    | 1,296  | 25.4    | 303    | 5.9     | 57      | 1.1     | 287        | 5.6     |
| 25 & Over    | 10,474          | 7,523                         | 71.8    | 1,898  | 18.1    | 409    | 3.9     | 96      | 0.9     | 548        | 5.2     |
| Not Stated   | 11              | 9                             | 81.8    | 1      | 9.1     | 0      | 0.0     | 1       | 9.1     | 0          | 0.0     |
| Total        | 18,526          | 12,349                        | 66.7    | 4,075  | 22.0    | 893    | 4.8     | 202     | 1.1     | 1,007      | 5.4     |

**TABLE N5B. RESIDENT BIRTHS TO UNMARRIED MOTHERS BY AGE OF MOTHER AND ONSET OF PRENATAL CARE  
NEW JERSEY, 1995**

| AGE<br>GROUP | TOTAL<br>BIRTHS | TRIMESTER PRENATAL CARE BEGAN |         |        |         |        |         |         |         |            |         |
|--------------|-----------------|-------------------------------|---------|--------|---------|--------|---------|---------|---------|------------|---------|
|              |                 | FIRST                         |         | SECOND |         | THIRD  |         | NO CARE |         | NOT STATED |         |
|              |                 | NUMBER                        | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER  | PERCENT | NUMBER     | PERCENT |
| Under 20     | 8,182           | 4,356                         | 53.2    | 2,454  | 30.0    | 594    | 7.3     | 198     | 2.4     | 580        | 7.1     |
| 20-24        | 10,321          | 6,189                         | 60.0    | 2,448  | 23.7    | 629    | 6.1     | 296     | 2.9     | 759        | 7.4     |
| 25 & Over    | 12,717          | 7,718                         | 60.7    | 2,565  | 20.2    | 638    | 5.0     | 609     | 4.8     | 1,187      | 9.3     |
| Not Stated   | 28              | 9                             | 32.1    | 3      | 10.7    | 1      | 3.6     | 8       | 28.6    | 7          | 25.0    |
| Total        | 31,248          | 18,272                        | 58.5    | 7,470  | 23.9    | 1,862  | 6.0     | 1,111   | 3.6     | 2,533      | 8.1     |

## ***New Jersey Health Statistics/1995***

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### **Medical Risk Factors of the Pregnancy**

Birth outcomes are affected by the presence of medical risk factors during pregnancy. In particular, the probability of infant death, low birth weight, and birth defects is known to increase when certain risk factors exist during pregnancy (Ventura, S.J., et al., 1996).

The most frequently reported medical risk factor among New Jersey residents delivering in 1995 was diabetes with a rate of 25.3 per 1,000 live births. By race, the rates of diabetes were 43.3 for mothers of races other than white or black, 27.6 for blacks, and 24.0 for whites (Table N22). Among Hispanic mothers, the rate of diabetes was 29.1 (Table N22A).

Pregnancy-associated hypertension was the second most frequently reported medical risk factor in 1995. Among New Jersey resident mothers, the rate of pregnancy-associated hypertension was 24.4 per 1,000 live births. Pregnancy-associated hypertension rates by race were 32.3 for blacks, 23.8 for whites, and 17.3 for other races (Table N22). The rate for mothers of Hispanic origin was 23.7 per 1,000 live births (Table N22A).

The third most frequently reported medical risk factor was anemia with a rate of 21.4 per 1,000 live births. Rates of anemia varied substantially by race: 54.0 for blacks, 14.7 for whites, and 14.4 for other races (Table N22). Anemia was reported for mothers of Hispanic origin at a rate of 32.2 per 1,000 live births (Table N22A).

The most frequently reported medical risk factors among blacks were somewhat different than for the population as a whole in New Jersey. Anemia was reported most among black mothers with a rate of 54.0 per 1,000 live births. Second was sexually transmitted diseases other than genital herpes (52.1 per 1,000 live births). Pregnancy-associated hypertension was the third most frequent risk factor at a rate of 32.3 per 1,000 live births. The rates for these three medical risk factors for the entire state were 21.4, 19.0, and 24.4, respectively (Table N22).

Medical risk factors for Hispanic mothers also differed from those of the state as a whole. The three most frequently reported risk factors among mothers of Hispanic origin were sexually-transmitted diseases other than genital herpes (33.3), anemia (32.2), and diabetes (29.1). The New Jersey total rates for these three factors were 19.0, 21.4, and 25.3 per 1,000 live births, respectively (Table N22A).

### **Complications of Labor and/or Delivery**

There were 70,784 births (61.6%) in 1995 with no complications of labor and/or delivery. Of those reporting complications, the three most common (and their rates per 1,000 live births) were moderate or heavy meconium (43.0), breech or malpresentation (32.8), and fetal distress (31.2). Rates of complications of labor and/or delivery varied substantially by race. The rate of moderate or heavy meconium was higher for black mothers than for white mothers or mothers of other races: 67.9 vs. 39.1 and 33.2, respectively. Black mothers also had a considerably higher rate of fetal distress: 40.6 per 1,000 live births versus 30.3 for white mothers and 24.4 for mothers of races other than white or black (Table N23).

### **Obstetric Procedures**

In 1995, 92,965 New Jersey resident mothers (80.9%) had electronic fetal monitoring performed. By race, 82.9 percent of white, 82.8 percent of black, and 80.8 percent of other race mothers had this obstetric procedure performed. The second most frequently performed obstetric procedure was ultrasound: 58,719 births or 51.1 percent. This procedure was performed on 52.8 percent of white mothers, 51.9 percent of black mothers, and 46.0 percent of other race mothers (Table N24).

**TABLE N6. RESIDENT BIRTHS BY MOTHER'S EDUCATION AND ONSET OF PRENATAL CARE  
NEW JERSEY, 1995**

| ONSET OF<br>PRENATAL<br>CARE | TOTAL<br>BIRTHS | HIGHEST GRADE OF EDUCATION COMPLETED |         |             |         |              |         |                  |         |            |         |
|------------------------------|-----------------|--------------------------------------|---------|-------------|---------|--------------|---------|------------------|---------|------------|---------|
|                              |                 | < HIGH SCHOOL                        |         | HIGH SCHOOL |         | SOME COLLEGE |         | COLLEGE DEGREE + |         | NOT STATED |         |
|                              |                 | NUMBER                               | PERCENT | NUMBER      | PERCENT | NUMBER       | PERCENT | NUMBER           | PERCENT | NUMBER     | PERCENT |
| First Trimester              | 85,699          | 8,954                                | 56.0    | 27,938      | 76.5    | 18,106       | 82.7    | 27,941           | 90.1    | 2,760      | 29.1    |
| Second Trimester             | 13,730          | 4,335                                | 27.1    | 5,016       | 13.7    | 2,177        | 9.9     | 1,533            | 4.9     | 669        | 7.1     |
| Third Trimester              | 3,064           | 1,125                                | 7.0     | 1,065       | 2.9     | 444          | 2.0     | 278              | 0.9     | 152        | 1.6     |
| No Care                      | 1,298           | 569                                  | 3.6     | 494         | 1.4     | 119          | 0.5     | 31               | 0.1     | 85         | 0.9     |
| Not Stated                   | 11,114          | 1,020                                | 6.4     | 2,008       | 5.5     | 1,042        | 4.8     | 1,234            | 4.0     | 5,810      | 61.3    |
| Total                        | 114,905         | 16,003                               | 100.0   | 36,521      | 100.0   | 21,888       | 100.0   | 31,017           | 100.0   | 9,476      | 100.0   |

### Birth Weight

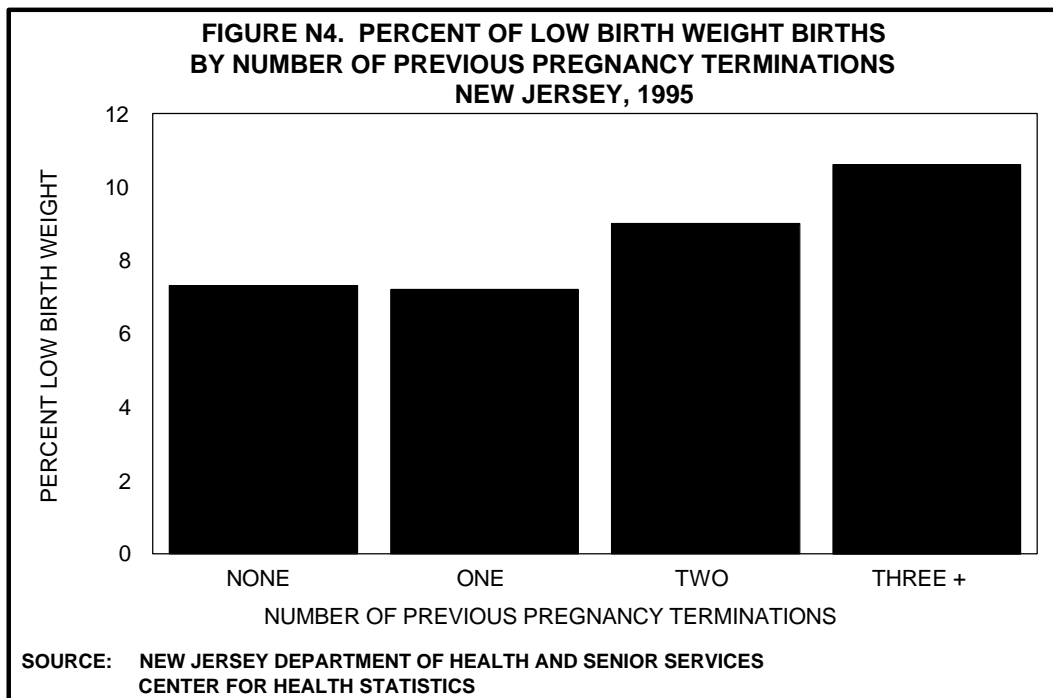
Low birth weight is defined as a weight at birth of less than 2,500 grams or approximately 5 lbs. 8 oz. There were 8,460 live births in this category in 1995. This was 258 fewer low birth weight infants born to New Jersey residents than in 1994. Low birth weight newborns accounted for 7.4 percent of live births in 1995, which is the same as the 1994 percentage. Black mothers had a substantially higher percentage of low birth weight babies than did white mothers or other race mothers: 13.1 percent versus 6.1 percent and 7.8 percent, respectively (Table N7). The percentage for Hispanic mothers with low birth weight babies was the same as the percentage for the newborns of all New Jersey mothers: 7.4 percent. Unmarried mothers had low birth weight babies 11.0 percent of the time, while for married mothers this percentage was 6.0 (CHS, 1997a).

**TABLE N7. RESIDENT BIRTHS OF LOW BIRTH WEIGHT BY AGE AND RACE OF MOTHER  
NEW JERSEY, 1995**

\*Percent of all live births in the category.

Teenage mothers had a substantially higher percentage (10.2%) of low birth weight births than older women in 1995. White teen mothers had babies of low birth weight 9.0 percent of the time, while 12.0 percent of black teen mothers had low birth weight babies (Tables N7 and N11). Hispanic teens had a slightly lower percentage of low birth weight babies than non-Hispanic teens: 9.6 percent versus 10.6 percent, respectively (CHS, 1997a). Unmarried teenage mothers had a considerably higher percentage of low birth weight births than married mothers of the same age: 10.4 percent versus 8.4 percent, respectively (CHS, 1997a). Birth weight by age and race of the mother is provided in Table N25. Birth weight by mother's county of residence is presented in Table N26.

In addition to age, race, and marital status, low birth weight is associated with the number of previous pregnancy terminations (fetal deaths, either spontaneous or induced) experienced by the mother. While



mothers with zero or one prior pregnancy terminations have low birth weight rates just below that of the entire population (7.3% and 7.2%, respectively), mothers with two previous terminations had low birth weight babies 9.0 percent of the time and mothers with three or more prior terminations had a low birth weight rate of 10.6 percent (Figure N4 and Table N27).

Low birth weight is also associated with onset of prenatal care. Of mothers who began prenatal care in the first trimester of their pregnancy, 6.6 percent had low birth weight babies. For mothers who began prenatal care in the second or third trimester, low birth weight outcomes occurred in 7.9 percent and 7.8 percent of cases, respectively. Among mothers who obtained no prenatal care, 30.0 percent had babies weighing less than 2,500 grams (Figure N5 and Table N28). Table N29 provides details on birth weight by onset of prenatal care by race of the mother.

### **Apgar Score**

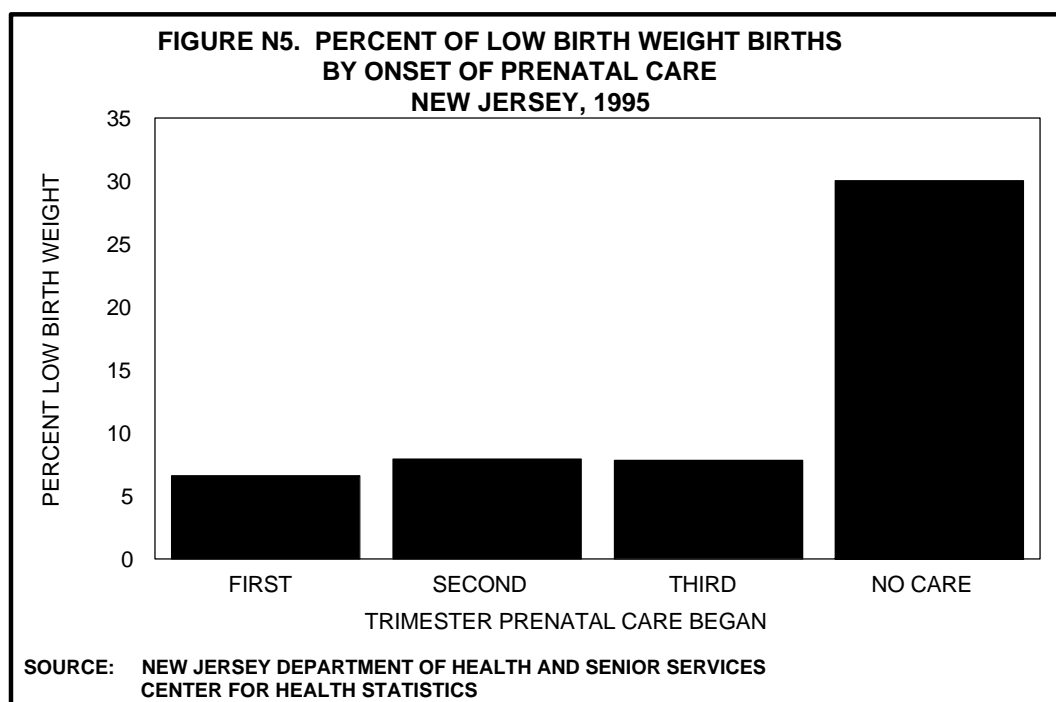
The Apgar score is a composite measure used for the clinical evaluation of an infant one minute and five minutes after birth. A score of zero, one, or two is assigned in each of the following areas: heart rate, respiratory effort, color, muscle tone, and reflex irritability. Assigned values for the five areas are summed and a score of zero to ten results. An overall score of ten is optimal. An Apgar score under seven is considered indicative of potential health problems.

In this report, analysis of findings based on the Apgar score are limited to the five-minute results. A perfect score of ten was recorded on 11.4 percent of resident birth certificates in 1995. Scores of seven through nine were reported on 82.7 percent of certificates. Only 1.0 percent scored less than seven. On 4.9 percent of birth certificates, the five-minute Apgar score was not stated.

By race, the percentages of black, white, and other race births scoring zero through six on the five-minute Apgar score were 2.0, 0.8, and 0.7, respectively. For scores of seven through ten, the percentages were 96.2, 96.1, and 97.6 for blacks, whites, and other races, respectively. The five-minute Apgar score was not stated on 1.8 percent of black, 3.2 percent of white, and 1.7 percent of other race birth certificates in 1995 (Table N30).

Teenage mothers had a higher percentage of low (under 7) five-minute Apgar scores (1.5%) than did mothers over the age of twenty (0.9%) (Table N31). However, the percentage of unstated scores increases with age of the mother, so these findings are not conclusive. These missing data are most likely the result of this item not being provided in the information received on deliveries of babies of New Jersey residents which occurred in other states, mostly New York and Pennsylvania.

While babies of mothers who received prenatal care in the first trimester had five-minute Apgar scores of zero to six only 0.9 percent of the time, 6.3 percent of mothers who received no prenatal care had scores this low (Table N32). It should be noted that 4.9 percent of birth certificates had no information recorded for Apgar score and 9.7 percent had no data on onset of prenatal care, therefore results are inconclusive.



### **Abnormal Conditions of Newborns**

Since the revision of the New Jersey certificate of birth in 1989, information on abnormal conditions of newborns has been available. The most frequently reported abnormal condition of newborns in New Jersey in 1995 was assisted ventilation of 30 minutes or more at a rate of 4.9 per 1,000 live births (Table N33). By race, the rates of assisted ventilation greater than or equal to 30 minutes were 6.9 for blacks, 4.5 for whites, and 4.8 for other races. The second most frequently reported condition was hyaline membrane disease/respiratory distress syndrome (RDS) at a rate of 4.3 per 1,000 live births. For hyaline membrane disease/RDS, the rates by race were 6.0 for blacks, 4.2 for whites, and 1.9 for other races.



## **Congenital Anomalies**

Congenital anomalies are the leading cause of infant death in New Jersey and in the U.S. Since 1989, information about congenital anomalies has been available on the birth certificate in the form of a checkbox item. This replaced the previous open-ended question in an effort to improve uniformity and completeness of reporting.

Among New Jersey residents in 1995, the congenital anomaly most frequently reported on the certificate of birth was musculoskeletal/integumental anomalies (3.2 per 1,000 live births). This includes cleft lip/palate, polydactyly/syndactyly/adactyly, club foot, and diaphragmatic hernia (included in other musculoskeletal/integumental anomaly). The second most frequently reported anomaly was circulatory and respiratory anomalies (2.5 per 1,000 live births), which includes heart malformations. By race, the rates of musculoskeletal/integumental anomalies per 1,000 live births were 4.5 for blacks, 3.0 for whites, and 2.4 for other races. For circulatory/respiratory anomalies, the rates per 1,000 live births by race were 1.7 for blacks, 2.8 for whites, and 1.3 for other races (Table N34).

New Jersey maintains a separate, population-based Birth Defects Registry within DHSS. Children diagnosed with a congenital defect by age one are required to be reported to the State. A wide range of medical practitioners must complete the confidential registration forms which are submitted to Special Child Health Services. Up to eight diagnoses are reported for each child, which provides a detailed medical description of the child. As new information on a child becomes available, the Registry updates its database to reflect the new diagnoses. As such, the data in the Registry may reflect more accurately than the birth certificate data the population of newborns and children with congenital anomalies in New Jersey. (P. Costa, personal communication, July 27, 1995).

**TABLE N8. RESIDENT LIVE BIRTHS AND LIVE BIRTH RATES  
NEW JERSEY AND THE UNITED STATES, 1976-1995**

| YEAR | NEW JERSEY |       | UNITED STATES** |       |
|------|------------|-------|-----------------|-------|
|      | NUMBER     | RATE* | NUMBER          | RATE* |
| 1976 | 90,549     | 12.3  | 3,167,788       | 14.6  |
| 1977 | 93,786     | 12.7  | 3,326,632       | 15.1  |
| 1978 | 93,356     | 12.8  | 3,333,279       | 15.0  |
| 1979 | 95,672     | 13.0  | 3,494,398       | 15.6  |
| 1980 | 96,438     | 13.1  | 3,612,258       | 15.9  |
| 1981 | 96,205     | 13.0  | 3,629,238       | 15.8  |
| 1982 | 98,225     | 13.2  | 3,680,537       | 15.9  |
| 1983 | 98,746     | 13.2  | 3,638,933       | 15.5  |
| 1984 | 100,950    | 13.4  | 3,669,141       | 15.5  |
| 1985 | 105,295    | 13.9  | 3,760,561       | 15.8  |
| 1986 | 108,554    | 14.2  | 3,756,547       | 15.6  |
| 1987 | 113,271    | 14.8  | 3,809,394       | 15.7  |
| 1988 | 117,684    | 15.3  | 3,905,510       | 15.9  |
| 1989 | 121,629    | 15.7  | 4,040,958       | 16.4  |
| 1990 | 122,979    | 15.9  | 4,158,212       | 16.7  |
| 1991 | 121,415    | 15.7  | 4,111,907       | 16.3  |
| 1992 | 120,446    | 15.4  | 4,065,014       | 15.9  |
| 1993 | 117,841    | 15.0  | 4,000,240       | 15.5  |
| 1994 | 117,684    | 14.9  | 3,952,767       | 15.2  |
| 1995 | 114,905    | 14.5  | 3,899,589       | 14.8  |

\* Birth rates are computed per 1,000 population.

\*\* Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states in 1976 through 1984.

**TABLE N9. RESIDENT LIVE BIRTHS AND BIRTH RATES, BY COUNTY  
NEW JERSEY, 1995**

| COUNTY     | TOTAL BIRTHS | BIRTH RATE* |
|------------|--------------|-------------|
| ATLANTIC   | 3,665        | 15.7        |
| BERGEN     | 10,735       | 12.7        |
| BURLINGTON | 5,031        | 12.3        |
| CAMDEN     | 7,565        | 14.9        |
| CAPE MAY   | 1,175        | 12.0        |
| CUMBERLAND | 2,010        | 14.6        |
| ESSEX      | 12,647       | 16.6        |
| GLOUCESTER | 3,181        | 13.1        |
| HUDSON     | 8,992        | 16.3        |
| HUNTERDON  | 1,448        | 12.5        |
| MERCER     | 4,430        | 13.4        |
| MIDDLESEX  | 10,056       | 14.4        |
| MONMOUTH   | 8,137        | 13.9        |
| MORRIS     | 6,150        | 13.8        |
| OCEAN      | 6,096        | 13.1        |
| PASSAIC    | 7,950        | 17.1        |
| SALEM      | 833          | 12.8        |
| SOMERSET   | 3,987        | 15.0        |
| SUSSEX     | 1,910        | 13.7        |
| UNION      | 7,371        | 14.8        |
| WARREN     | 1,304        | 13.5        |
| MILITARY   | 224          | N/A         |
| NOT STATED | 8            | N/A         |
| TOTAL      | 114,905      | 14.5        |

\* Rates are computed per 1,000 population.

**TABLE N10. BIRTHS BY SEX OF CHILD  
AND COUNTY OF RESIDENCE OF MOTHER  
NEW JERSEY, 1995**

| COUNTY     | TOTAL   | MALE   | FEMALE |
|------------|---------|--------|--------|
| ATLANTIC   | 3,665   | 1,858  | 1,807  |
| BERGEN     | 10,735  | 5,575  | 5,160  |
| BURLINGTON | 5,031   | 2,510  | 2,521  |
| CAMDEN     | 7,565   | 3,825  | 3,740  |
| CAPE MAY   | 1,175   | 615    | 560    |
| CUMBERLAND | 2,010   | 1,036  | 974    |
| ESSEX      | 12,647  | 6,427  | 6,220  |
| GLOUCESTER | 3,181   | 1,656  | 1,525  |
| HUDSON     | 8,992   | 4,630  | 4,362  |
| HUNTERDON  | 1,448   | 754    | 694    |
| MERCER     | 4,430   | 2,304  | 2,126  |
| MIDDLESEX  | 10,056  | 5,168  | 4,888  |
| MONMOUTH   | 8,137   | 4,131  | 4,006  |
| MORRIS     | 6,150   | 3,239  | 2,911  |
| OCEAN      | 6,096   | 3,095  | 3,001  |
| PASSAIC    | 7,950   | 4,021  | 3,929  |
| SALEM      | 833     | 427    | 406    |
| SOMERSET   | 3,987   | 2,089  | 1,898  |
| SUSSEX     | 1,910   | 1,007  | 903    |
| UNION      | 7,371   | 3,768  | 3,603  |
| WARREN     | 1,304   | 678    | 626    |
| MILITARY   | 224     | 121    | 103    |
| NOT STATED | 8       | 3      | 5      |
| TOTAL      | 114,905 | 58,937 | 55,968 |

| TABLE N11. RESIDENT BIRTHS BY AGE AND RACE OF MOTHER<br>NEW JERSEY, 1995 |         |                |        |       |            |
|--------------------------------------------------------------------------|---------|----------------|--------|-------|------------|
| AGE OF MOTHER                                                            | TOTAL   | RACE OF MOTHER |        |       |            |
|                                                                          |         | WHITE          | BLACK  | OTHER | NOT STATED |
| Under 15                                                                 | 227     | 84             | 138    | 2     | 3          |
| 15-19                                                                    | 9,117   | 4,990          | 3,800  | 229   | 98         |
| 20-24                                                                    | 18,576  | 11,953         | 5,421  | 937   | 265        |
| 25-29                                                                    | 31,703  | 23,468         | 5,278  | 2,329 | 628        |
| 30-34                                                                    | 35,976  | 28,674         | 3,947  | 2,293 | 1,062      |
| 35-39                                                                    | 16,416  | 12,935         | 1,771  | 1,047 | 663        |
| 40-44                                                                    | 2,703   | 2,075          | 330    | 167   | 131        |
| 45 & Over                                                                | 109     | 78             | 7      | 6     | 18         |
| Not Stated                                                               | 78      | 36             | 31     | 4     | 7          |
| Total                                                                    | 114,905 | 84,293         | 20,723 | 7,014 | 2,875      |

| TABLE N11A. RESIDENT BIRTHS BY AGE AND RACE<br>MOTHERS OF HISPANIC ORIGIN<br>NEW JERSEY, 1995 |        |                |       |       |            |
|-----------------------------------------------------------------------------------------------|--------|----------------|-------|-------|------------|
| AGE OF MOTHER                                                                                 | TOTAL  | RACE OF MOTHER |       |       |            |
|                                                                                               |        | WHITE          | BLACK | OTHER | NOT STATED |
| Under 15                                                                                      | 70     | 63             | 7     | 0     | 0          |
| 15-19                                                                                         | 2,866  | 2,546          | 182   | 114   | 24         |
| 20-24                                                                                         | 5,105  | 4,474          | 350   | 240   | 41         |
| 25-29                                                                                         | 4,993  | 4,389          | 355   | 212   | 37         |
| 30-34                                                                                         | 3,665  | 3,212          | 278   | 144   | 31         |
| 35-39                                                                                         | 1,514  | 1,336          | 106   | 58    | 14         |
| 40-44                                                                                         | 295    | 258            | 24    | 12    | 1          |
| 45 & Over                                                                                     | 7      | 7              | 0     | 0     | 0          |
| Not Stated                                                                                    | 11     | 9              | 0     | 0     | 2          |
| Total                                                                                         | 18,526 | 16,294         | 1,302 | 780   | 150        |

**TABLE N12. NUMBER AND PERCENT OF RESIDENT BIRTHS TO WOMEN  
UNDER 20 AND 35 YEARS AND OVER  
NEW JERSEY, 1976-1995**

| YEAR | TOTAL BIRTHS | BIRTHS TO WOMEN<br>UNDER 20 |         | BIRTHS TO WOMEN<br>35 AND OVER |         |
|------|--------------|-----------------------------|---------|--------------------------------|---------|
|      |              | NUMBER                      | PERCENT | NUMBER                         | PERCENT |
| 1976 | 90,549       | 12,167                      | 13.4    | 5,186                          | 5.7     |
| 1977 | 93,786       | 12,131                      | 12.9    | 5,370                          | 5.7     |
| 1978 | 93,356       | 12,020                      | 12.9    | 5,499                          | 5.9     |
| 1979 | 95,672       | 12,097                      | 12.6    | 5,742                          | 6.0     |
| 1980 | 96,438       | 11,133                      | 11.5    | 5,861                          | 6.1     |
| 1981 | 96,205       | 11,887                      | 12.4    | 5,732                          | 6.0     |
| 1982 | 98,225       | 11,309                      | 11.5    | 6,845                          | 7.0     |
| 1983 | 98,746       | 10,869                      | 11.0    | 7,427                          | 7.5     |
| 1984 | 100,950      | 10,294                      | 10.2    | 8,099                          | 8.0     |
| 1985 | 105,295      | 10,159                      | 9.6     | 8,973                          | 8.5     |
| 1986 | 108,554      | 10,136                      | 9.3     | 9,848                          | 9.1     |
| 1987 | 113,271      | 10,322                      | 9.1     | 10,628                         | 9.4     |
| 1988 | 117,684      | 10,400                      | 8.8     | 12,055                         | 10.2    |
| 1989 | 121,629      | 10,764                      | 8.8     | 13,106                         | 10.8    |
| 1990 | 122,979      | 10,377                      | 8.4     | 14,388                         | 11.7    |
| 1991 | 121,415      | 10,149                      | 8.4     | 15,150                         | 12.5    |
| 1992 | 120,446      | 9,611                       | 8.0     | 16,549                         | 13.7    |
| 1993 | 117,841      | 9,357                       | 7.9     | 17,466                         | 14.8    |
| 1994 | 117,684      | 9,615                       | 8.2     | 18,523                         | 15.7    |
| 1995 | 114,905      | 9,344                       | 8.1     | 19,228                         | 16.7    |

**TABLE N13. BIRTHS BY AGE AND COUNTY OF RESIDENCE OF MOTHER  
NEW JERSEY, 1995**

| COUNTY     | TOTAL   | AGE OF MOTHER |       |        |        |        |        |       |     |               |
|------------|---------|---------------|-------|--------|--------|--------|--------|-------|-----|---------------|
|            |         | <15           | 15-19 | 20-24  | 25-29  | 30-34  | 35-39  | 40-44 | 45+ | NOT<br>STATED |
| ATLANTIC   | 3,665   | 8             | 451   | 808    | 1,033  | 882    | 406    | 72    | 2   | 3             |
| BERGEN     | 10,735  | 4             | 232   | 835    | 2,997  | 4,226  | 2,047  | 369   | 23  | 2             |
| BURLINGTON | 5,031   | 4             | 369   | 752    | 1,446  | 1,665  | 693    | 91    | 5   | 6             |
| CAMDEN     | 7,565   | 34            | 935   | 1,460  | 2,093  | 2,046  | 863    | 124   | 9   | 1             |
| CAPE MAY   | 1,175   | 8             | 125   | 247    | 318    | 310    | 144    | 23    | 0   | 0             |
| CUMBERLAND | 2,010   | 8             | 393   | 651    | 501    | 309    | 128    | 19    | 1   | 0             |
| ESSEX      | 12,647  | 50            | 1,618 | 2,583  | 3,224  | 3,259  | 1,584  | 297   | 9   | 23            |
| GLOUCESTER | 3,181   | 3             | 233   | 523    | 1,006  | 938    | 402    | 74    | 1   | 1             |
| HUDSON     | 8,992   | 22            | 983   | 2,037  | 2,621  | 2,149  | 978    | 189   | 10  | 3             |
| HUNTERDON  | 1,448   | 1             | 21    | 95     | 355    | 610    | 318    | 48    | 0   | 0             |
| MERCER     | 4,430   | 17            | 445   | 736    | 1,101  | 1,365  | 641    | 120   | 3   | 2             |
| MIDDLESEX  | 10,056  | 17            | 586   | 1,415  | 2,991  | 3,338  | 1,458  | 233   | 3   | 15            |
| MONMOUTH   | 8,137   | 6             | 434   | 970    | 2,089  | 3,016  | 1,390  | 219   | 8   | 5             |
| MORRIS     | 6,150   | 2             | 136   | 458    | 1,631  | 2,571  | 1,173  | 172   | 5   | 2             |
| OCEAN      | 6,096   | 2             | 356   | 1,208  | 1,822  | 1,788  | 778    | 132   | 8   | 2             |
| PASSAIC    | 7,950   | 25            | 896   | 1,605  | 2,240  | 2,083  | 947    | 145   | 6   | 3             |
| SALEM      | 833     | 4             | 134   | 211    | 239    | 164    | 69     | 11    | 1   | 0             |
| SOMERSET   | 3,987   | 4             | 107   | 316    | 996    | 1,664  | 776    | 113   | 8   | 3             |
| SUSSEX     | 1,910   | 1             | 67    | 207    | 575    | 711    | 302    | 45    | 1   | 1             |
| UNION      | 7,371   | 7             | 527   | 1,175  | 1,987  | 2,368  | 1,119  | 179   | 5   | 4             |
| WARREN     | 1,304   | 0             | 58    | 197    | 366    | 468    | 187    | 26    | 1   | 1             |
| MILITARY   | 224     | 0             | 11    | 86     | 72     | 44     | 9      | 1     | 0   | 1             |
| NOT STATED | 8       | 0             | 0     | 1      | 0      | 2      | 4      | 1     | 0   | 0             |
| TOTAL      | 114,905 | 227           | 9,117 | 18,576 | 31,703 | 35,976 | 16,416 | 2,703 | 109 | 78            |

**TABLE N14. BIRTHS BY RACE AND COUNTY OF RESIDENCE OF MOTHER  
NEW JERSEY, 1995**

| COUNTY       | RACE           |               |               |              |              |
|--------------|----------------|---------------|---------------|--------------|--------------|
|              | TOTAL          | WHITE         | BLACK         | OTHER        | NOT STATED   |
| ATLANTIC     | 3,665          | 2,631         | 864           | 163          | 7            |
| BERGEN       | 10,735         | 8,153         | 639           | 1,189        | 754          |
| BURLINGTON   | 5,031          | 4,048         | 778           | 187          | 18           |
| CAMDEN       | 7,565          | 5,576         | 1,611         | 305          | 73           |
| CAPE MAY     | 1,175          | 1,066         | 93            | 15           | 1            |
| CUMBERLAND   | 2,010          | 1,446         | 491           | 72           | 1            |
| ESSEX        | 12,647         | 5,615         | 6,320         | 434          | 278          |
| GLOUCESTER   | 3,181          | 2,785         | 322           | 62           | 12           |
| HUDSON       | 8,992          | 5,482         | 2,007         | 1,035        | 468          |
| HUNTERDON    | 1,448          | 1,380         | 22            | 29           | 17           |
| MERCER       | 4,430          | 3,026         | 1,144         | 221          | 39           |
| MIDDLESEX    | 10,056         | 7,259         | 1,253         | 1,287        | 257          |
| MONMOUTH     | 8,137          | 6,556         | 863           | 415          | 303          |
| MORRIS       | 6,150          | 5,464         | 203           | 393          | 90           |
| OCEAN        | 6,096          | 5,546         | 251           | 130          | 169          |
| PASSAIC      | 7,950          | 6,013         | 1,541         | 291          | 105          |
| SALEM        | 833            | 617           | 189           | 17           | 10           |
| SOMERSET     | 3,987          | 3,337         | 291           | 291          | 68           |
| SUSSEX       | 1,910          | 1,849         | 16            | 32           | 13           |
| UNION        | 7,371          | 5,028         | 1,761         | 403          | 179          |
| WARREN       | 1,304          | 1,248         | 22            | 22           | 12           |
| MILITARY     | 224            | 163           | 41            | 20           | 0            |
| NOT STATED   | 8              | 5             | 1             | 1            | 1            |
| <b>TOTAL</b> | <b>114,905</b> | <b>84,293</b> | <b>20,723</b> | <b>7,014</b> | <b>2,875</b> |



**TABLE N15. BIRTHS TO MOTHERS OF HISPANIC ORIGIN BY COUNTY OF RESIDENCE  
NEW JERSEY, 1995**

| <b>COUNTY</b> | <b>NUMBER</b> | <b>PERCENT*</b> |
|---------------|---------------|-----------------|
| ATLANTIC      | 613           | 16.7            |
| BERGEN        | 1,058         | 9.9             |
| BURLINGTON    | 160           | 3.2             |
| CAMDEN        | 933           | 12.3            |
| CAPE MAY      | 63            | 5.4             |
| CUMBERLAND    | 498           | 24.8            |
| ESSEX         | 2,243         | 17.7            |
| GLOUCESTER    | 70            | 2.2             |
| HUDSON        | 3,966         | 44.1            |
| HUNTERDON     | 31            | 2.1             |
| MERCER        | 529           | 11.9            |
| MIDDLESEX     | 1,815         | 18.0            |
| MONMOUTH      | 571           | 7.0             |
| MORRIS        | 526           | 8.6             |
| OCEAN         | 385           | 6.3             |
| PASSAIC       | 2,826         | 35.5            |
| SALEM         | 38            | 4.6             |
| SOMERSET      | 395           | 9.9             |
| SUSSEX        | 72            | 3.8             |
| UNION         | 1,686         | 22.9            |
| WARREN        | 39            | 3.0             |
| MILITARY      | 9             | 4.0             |
| <b>TOTAL</b>  | <b>18,526</b> | <b>16.1</b>     |

\*MOTHERS OF HISPANIC ORIGIN AS A PERCENTAGE OF TOTAL LIVE BIRTHS TO FEMALE RESIDENTS OF THE COUNTY.

**TABLE N16. RESIDENT BIRTHS TO MOTHERS OF HISPANIC ORIGIN BY COUNTRY OF ORIGIN  
NEW JERSEY, 1995**

| COUNTRY OF ORIGIN      | NUMBER OF BIRTHS | PERCENT OF HISPANIC BIRTHS |
|------------------------|------------------|----------------------------|
| PUERTO RICO            | 7,090            | 38.3                       |
| CENTRAL/SOUTH AMERICA  | 8,133            | 43.9                       |
| MEXICO                 | 2,107            | 11.4                       |
| CUBA                   | 858              | 4.6                        |
| OTHER/UNKNOWN HISPANIC | 338              | 1.8                        |
| TOTAL                  | 18,526           | 100.0                      |

**TABLE N17. RESIDENT BIRTHS BY MARITAL STATUS OF MOTHER  
NEW JERSEY, 1976-1995**

| YEAR | TOTAL BIRTHS | MARITAL STATUS* |         |             |         |            |         |
|------|--------------|-----------------|---------|-------------|---------|------------|---------|
|      |              | MARRIED         |         | NOT MARRIED |         | NOT STATED |         |
|      |              | NUMBER          | PERCENT | NUMBER      | PERCENT | NUMBER     | PERCENT |
| 1976 | 90,549       | 75,428          | 83.3    | 15,115      | 16.7    | 6          | 0.0     |
| 1977 | 93,786       | 77,258          | 82.4    | 16,524      | 17.6    | 4          | 0.0     |
| 1978 | 93,356       | 75,048          | 80.4    | 18,273      | 19.6    | 35         | 0.0     |
| 1979 | 95,672       | 76,226          | 79.7    | 19,411      | 20.3    | 35         | 0.0     |
| 1980 | 96,438       | 76,033          | 78.8    | 20,371      | 21.1    | 34         | 0.0     |
| 1981 | 96,205       | 75,872          | 78.9    | 20,297      | 21.1    | 36         | 0.0     |
| 1982 | 98,225       | 76,847          | 78.2    | 21,354      | 21.7    | 24         | 0.0     |
| 1983 | 98,746       | 77,060          | 78.0    | 21,663      | 21.9    | 23         | 0.0     |
| 1984 | 100,950      | 78,445          | 77.7    | 22,437      | 22.2    | 68         | 0.1     |
| 1985 | 105,295      | 82,035          | 77.9    | 22,178      | 21.1    | 1,082      | 1.0     |
| 1986 | 108,554      | 84,801          | 78.1    | 23,605      | 21.7    | 148        | 0.1     |
| 1987 | 113,271      | 87,613          | 77.3    | 25,387      | 22.4    | 271        | 0.2     |
| 1988 | 117,684      | 89,029          | 75.7    | 27,528      | 23.4    | 1,127      | 1.0     |
| 1989 | 121,629      | 92,133          | 75.7    | 28,917      | 23.8    | 579        | 0.5     |
| 1990 | 122,979      | 92,807          | 75.5    | 29,967      | 24.4    | 205        | 0.2     |
| 1991 | 121,415      | 89,394          | 73.6    | 31,927      | 26.3    | 94         | 0.1     |
| 1992 | 120,446      | 88,435          | 73.4    | 31,924      | 26.5    | 87         | 0.1     |
| 1993 | 117,841      | 85,763          | 72.8    | 31,996      | 27.2    | 82         | 0.1     |
| 1994 | 117,684      | 84,724          | 72.0    | 32,653      | 27.7    | 307        | 0.3     |
| 1995 | 114,905      | 83,540          | 72.7    | 31,248      | 27.2    | 117        | 0.1     |

\* MARITAL STATUS WAS DETERMINED BY RESPONSE TO THE FOLLOWING ITEMS ON THE BIRTH  
FOR YEARS 1976-1978 - ITEM #20 - LEGITIMATE?  
FOR YEARS 1979-1988 - ITEM #18 - IS MOTHER MARRIED?  
FOR YEARS AFTER 1988 - ITEM #22 - MOTHER MARRIED? (AT BIRTH, CONCEPTION, OR ANY TIME

CERTIFICATE:

BETWEEN)

| TABLE N18. RESIDENT BIRTHS BY RACE AND MARITAL STATUS OF MOTHER<br>NEW JERSEY, 1995                                        |                 |                 |         |             |         |            |         |
|----------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------|-------------|---------|------------|---------|
| RACE                                                                                                                       | TOTAL<br>BIRTHS | MARITAL STATUS* |         |             |         |            |         |
|                                                                                                                            |                 | MARRIED         |         | NOT MARRIED |         | NOT STATED |         |
|                                                                                                                            |                 | NUMBER          | PERCENT | NUMBER      | PERCENT | NUMBER     | PERCENT |
| WHITE                                                                                                                      | 84,293          | 67,820          | 80.5    | 16,411      | 19.5    | 62         | 0.1     |
| BLACK                                                                                                                      | 20,723          | 7,086           | 34.2    | 13,615      | 65.7    | 22         | 0.1     |
| OTHER                                                                                                                      | 7,014           | 6,105           | 87.0    | 906         | 12.9    | 3          | 0.0     |
| NOT STATED                                                                                                                 | 2,875           | 2,529           | 88.0    | 316         | 11.0    | 30         | 1.0     |
| TOTAL                                                                                                                      | 114,905         | 83,540          | 72.7    | 31,248      | 27.2    | 117        | 0.1     |
| * AS DETERMINED BY RESPONSE TO THE BIRTH CERTIFICATE ITEM,<br>"MOTHER MARRIED (AT BIRTH, CONCEPTION, OR ANY TIME BETWEEN)" |                 |                 |         |             |         |            |         |

| TABLE N19. BIRTHS BY MOTHER'S MARITAL STATUS AND COUNTY OF RESIDENCE<br>NEW JERSEY, 1995                              |         |                 |             |            |
|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------------|------------|
| COUNTY                                                                                                                | TOTAL   | MARITAL STATUS* |             |            |
|                                                                                                                       |         | MARRIED         | NOT MARRIED | NOT STATED |
| ATLANTIC                                                                                                              | 3,665   | 2,232           | 1,428       | 5          |
| BERGEN                                                                                                                | 10,735  | 9,556           | 1,161       | 18         |
| BURLINGTON                                                                                                            | 5,031   | 3,934           | 1,091       | 6          |
| CAMDEN                                                                                                                | 7,565   | 4,779           | 2,776       | 10         |
| CAPE MAY                                                                                                              | 1,175   | 796             | 378         | 1          |
| CUMBERLAND                                                                                                            | 2,010   | 932             | 1,076       | 2          |
| ESSEX                                                                                                                 | 12,647  | 6,637           | 6,004       | 6          |
| GLOUCESTER                                                                                                            | 3,181   | 2,462           | 713         | 6          |
| HUDSON                                                                                                                | 8,992   | 5,331           | 3,654       | 7          |
| HUNTERDON                                                                                                             | 1,448   | 1,328           | 119         | 1          |
| MERCER                                                                                                                | 4,430   | 3,012           | 1,410       | 8          |
| MIDDLESEX                                                                                                             | 10,056  | 7,984           | 2,059       | 13         |
| MONMOUTH                                                                                                              | 8,137   | 6,654           | 1,476       | 7          |
| MORRIS                                                                                                                | 6,150   | 5,572           | 571         | 7          |
| OCEAN                                                                                                                 | 6,096   | 4,884           | 1,206       | 6          |
| PASSAIC                                                                                                               | 7,950   | 5,190           | 2,757       | 3          |
| SALEM                                                                                                                 | 833     | 482             | 351         | 0          |
| SOMERSET                                                                                                              | 3,987   | 3,532           | 454         | 1          |
| SUSSEX                                                                                                                | 1,910   | 1,684           | 223         | 3          |
| UNION                                                                                                                 | 7,371   | 5,237           | 2,130       | 4          |
| WARREN                                                                                                                | 1,304   | 1,096           | 205         | 3          |
| MILITARY                                                                                                              | 224     | 219             | 5           | 0          |
| NOT STATED                                                                                                            | 8       | 7               | 1           | 0          |
| TOTAL                                                                                                                 | 114,905 | 83,540          | 31,248      | 117        |
| *AS DETERMINED BY RESPONSE TO THE BIRTH CERTIFICATE ITEM, "MOTHER MARRIED (AT BIRTH, CONCEPTION OR ANY TIME BETWEEN)" |         |                 |             |            |

**TABLE N20. RESIDENT BIRTHS BY AGE, RACE, AND MARITAL STATUS OF MOTHER  
NEW JERSEY, 1995**

| RACE AND MARITAL STATUS OF MOTHER | TOTAL   |       | AGE GROUP |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
|-----------------------------------|---------|-------|-----------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------------|-------|------------|-------|--|
|                                   |         |       | UNDER 15  |       | 15-19 |       | 20-24  |       | 25-34  |       | 35-44  |       | 45 AND OVER |       | NOT STATED |       |  |
|                                   | NO.     | %     | NO.       | %     | NO.   | %     | NO.    | %     | NO.    | %     | NO.    | %     | NO.         | %     | NO.        | %     |  |
| WHITE                             |         |       |           |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
| Married                           | 67,820  | 80.5  | 3         | 3.6   | 902   | 18.1  | 6,363  | 53.2  | 46,610 | 89.4  | 13,839 | 92.2  | 74          | 94.9  | 29         | 80.6  |  |
| Not Married                       | 16,411  | 19.5  | 81        | 96.4  | 4,085 | 81.9  | 5,581  | 46.7  | 5,500  | 10.5  | 1,153  | 7.7   | 4           | 5.1   | 7          | 19.4  |  |
| Not Stated                        | 62      | 0.1   | 0         | 0.0   | 3     | 0.1   | 9      | 0.1   | 32     | 0.1   | 18     | 0.1   | 0           | 0.0   | 0          | 0.0   |  |
| Total                             | 84,293  | 100.0 | 84        | 100.0 | 4,990 | 100.0 | 11,953 | 100.0 | 52,142 | 100.0 | 15,010 | 100.0 | 78          | 100.0 | 36         | 100.0 |  |
| BLACK                             |         |       |           |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
| Married                           | 7,086   | 34.2  | 2         | 1.4   | 170   | 4.5   | 1,023  | 18.9  | 4,531  | 49.1  | 1,340  | 63.8  | 6           | 85.7  | 14         | 45.2  |  |
| Not Married                       | 13,615  | 65.7  | 136       | 98.6  | 3,626 | 95.4  | 4,389  | 81.0  | 4,688  | 50.8  | 758    | 36.1  | 1           | 14.3  | 17         | 54.8  |  |
| Not Stated                        | 22      | 0.1   | 0         | 0.0   | 4     | 0.1   | 9      | 0.2   | 6      | 0.1   | 3      | 0.1   | 0           | 0.0   | 0          | 0.0   |  |
| Total                             | 20,723  | 100.0 | 138       | 100.0 | 3,800 | 100.0 | 5,421  | 100.0 | 9,225  | 100.0 | 2,101  | 100.0 | 7           | 100.0 | 31         | 100.0 |  |
| OTHER                             |         |       |           |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
| Married                           | 6,105   | 87.0  | 0         | 0.0   | 45    | 19.7  | 649    | 69.3  | 4,285  | 92.7  | 1,117  | 92.0  | 5           | 83.3  | 4          | 100.0 |  |
| Not Married                       | 906     | 12.9  | 2         | 100.0 | 183   | 79.9  | 288    | 30.7  | 335    | 7.2   | 97     | 8.0   | 1           | 16.7  | 0          | 0.0   |  |
| Not Stated                        | 3       | 0.0   | 0         | 0.0   | 1     | 0.4   | 0      | 0.0   | 2      | 0.0   | 0      | 0.0   | 0           | 0.0   | 0          | 0.0   |  |
| Total                             | 7,014   | 100.0 | 2         | 100.0 | 229   | 100.0 | 937    | 100.0 | 4,622  | 100.0 | 1,214  | 100.0 | 6           | 100.0 | 4          | 100.0 |  |
| NOT STATED                        |         |       |           |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
| Married                           | 2,529   | 88.0  | 0         | 0.0   | 28    | 28.6  | 201    | 75.8  | 1,551  | 91.8  | 730    | 91.9  | 16          | 88.9  | 3          | 42.9  |  |
| Not Married                       | 316     | 11.0  | 3         | 100.0 | 66    | 67.3  | 63     | 23.8  | 123    | 7.3   | 56     | 7.1   | 1           | 5.6   | 4          | 57.1  |  |
| Not Stated                        | 30      | 1.0   | 0         | 0.0   | 4     | 4.1   | 1      | 0.4   | 16     | 0.9   | 8      | 1.0   | 1           | 5.6   | 0          | 0.0   |  |
| Total                             | 2,875   | 100.0 | 3         | 100.0 | 98    | 100.0 | 265    | 100.0 | 1,690  | 100.0 | 794    | 100.0 | 18          | 100.0 | 7          | 100.0 |  |
| TOTAL                             |         |       |           |       |       |       |        |       |        |       |        |       |             |       |            |       |  |
| Married                           | 83,540  | 72.7  | 5         | 2.2   | 1,145 | 12.6  | 8,236  | 44.3  | 56,977 | 84.2  | 17,026 | 89.1  | 101         | 92.7  | 50         | 64.1  |  |
| Not Married                       | 31,248  | 27.2  | 222       | 97.8  | 7,960 | 87.3  | 10,321 | 55.6  | 10,646 | 15.7  | 2,064  | 10.8  | 7           | 6.4   | 28         | 35.9  |  |
| Not Stated                        | 117     | 0.1   | 0         | 0.0   | 12    | 0.1   | 19     | 0.1   | 56     | 0.1   | 29     | 0.2   | 1           | 0.9   | 0          | 0.0   |  |
| Total                             | 114,905 | 100.0 | 227       | 100.0 | 9,117 | 100.0 | 18,576 | 100.0 | 67,679 | 100.0 | 19,119 | 100.0 | 109         | 100.0 | 78         | 100.0 |  |

**TABLE N21. BIRTHS BY ONSET OF PRENATAL CARE AND MOTHER'S COUNTY OF RESIDENCE  
NEW JERSEY, 1995**

| COUNTY     | TOTAL   | ONSET OF PRENATAL CARE |                  |                 |         |            |
|------------|---------|------------------------|------------------|-----------------|---------|------------|
|            |         | FIRST TRIMESTER        | SECOND TRIMESTER | THIRD TRIMESTER | NO CARE | NOT STATED |
| ATLANTIC   | 3,665   | 1,934                  | 573              | 156             | 22      | 980        |
| BERGEN     | 10,735  | 7,961                  | 855              | 209             | 32      | 1,678      |
| BURLINGTON | 5,031   | 3,811                  | 475              | 111             | 34      | 600        |
| CAMDEN     | 7,565   | 5,144                  | 884              | 187             | 92      | 1,258      |
| CAPE MAY   | 1,175   | 858                    | 196              | 42              | 9       | 70         |
| CUMBERLAND | 2,010   | 1,305                  | 476              | 134             | 34      | 61         |
| ESSEX      | 12,647  | 9,296                  | 1,923            | 383             | 606     | 439        |
| GLOUCESTER | 3,181   | 2,306                  | 322              | 60              | 14      | 479        |
| HUDSON     | 8,992   | 5,757                  | 1,548            | 349             | 40      | 1,298      |
| HUNTERDON  | 1,448   | 1,277                  | 77               | 17              | 1       | 76         |
| MERCER     | 4,430   | 3,119                  | 556              | 154             | 45      | 556        |
| MIDDLESEX  | 10,056  | 8,063                  | 1,143            | 253             | 62      | 535        |
| MONMOUTH   | 8,137   | 6,546                  | 711              | 192             | 58      | 630        |
| MORRIS     | 6,150   | 5,325                  | 359              | 49              | 2       | 415        |
| OCEAN      | 6,096   | 4,825                  | 773              | 126             | 26      | 346        |
| PASSAIC    | 7,950   | 5,619                  | 1,399            | 318             | 105     | 509        |
| SALEM      | 833     | 469                    | 115              | 26              | 16      | 207        |
| SOMERSET   | 3,987   | 3,374                  | 292              | 66              | 9       | 246        |
| SUSSEX     | 1,910   | 1,601                  | 134              | 30              | 4       | 141        |
| UNION      | 7,371   | 5,871                  | 795              | 181             | 83      | 441        |
| WARREN     | 1,304   | 1,066                  | 96               | 12              | 3       | 127        |
| MILITARY   | 224     | 172                    | 28               | 9               | 1       | 14         |
| NOT STATED | 8       | 0                      | 0                | 0               | 0       | 8          |
| TOTAL      | 114,905 | 85,699                 | 13,730           | 3,064           | 1,298   | 11,114     |

TABLE N22. MEDICAL RISK FACTORS OF THIS PREGNANCY  
REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS, BY RACE OF MOTHER  
NEW JERSEY, 1995

|                                                                            | MEDICAL RISK                                             | TOTAL  |       | RACE OF MOTHER |       |        |       | NOT<br>STATED |        |       |
|----------------------------------------------------------------------------|----------------------------------------------------------|--------|-------|----------------|-------|--------|-------|---------------|--------|-------|
|                                                                            |                                                          | NUMBER | RATE* | WHITE          |       | BLACK  |       |               | OTHER  |       |
|                                                                            |                                                          |        |       | NUMBER         | RATE* | NUMBER | RATE* |               | NUMBER | RATE* |
|                                                                            | NONE                                                     | 82,069 | 714.2 | 63,082         | 748.4 | 13,261 | 639.9 | 5,459         | 778.3  | 267   |
|                                                                            | ANEMIA (Hct.<30/Hgb.<10)                                 | 2,460  | 21.4  | 1,235          | 14.7  | 1,119  | 54.0  | 101           | 14.4   | 5     |
|                                                                            | CARDIAC DISEASE                                          | 622    | 5.4   | 481            | 5.7   | 124    | 6.0   | 15            | 2.1    | 2     |
|                                                                            | ACUTE OR CHRONIC LUNG DISEASE                            | 872    | 7.6   | 591            | 7.0   | 246    | 11.9  | 29            | 4.1    | 6     |
|                                                                            | DIABETES                                                 | 2,909  | 25.3  | 2,021          | 24.0  | 572    | 27.6  | 304           | 43.3   | 12    |
|                                                                            | GENITAL HERPES                                           | 540    | 4.7   | 418            | 5.0   | 106    | 5.1   | 14            | 2.0    | 2     |
|                                                                            | OTHER SEXUALLY TRANSMITTED DISEASES                      | 2,185  | 19.0  | 1,042          | 12.4  | 1,079  | 52.1  | 51            | 7.3    | 13    |
|                                                                            | HYDRAMNIOS/OLIGOHYDRAMNIOS                               | 1,179  | 10.3  | 769            | 9.1   | 342    | 16.5  | 63            | 9.0    | 5     |
|                                                                            | HEMOGLOBINOPATHY                                         | 62     | 0.5   | 35             | 0.4   | 22     | 1.1   | 3             | 0.4    | 2     |
|                                                                            | HYPERTENSION, CHRONIC                                    | 767    | 6.7   | 499            | 5.9   | 241    | 11.6  | 26            | 3.7    | 1     |
|                                                                            | HYPERTENSION, PREGNANCY-ASSOCIATED                       | 2,804  | 24.4  | 2,007          | 23.8  | 669    | 32.3  | 121           | 17.3   | 7     |
|                                                                            | ECLAMPSIA                                                | 328    | 2.9   | 200            | 2.4   | 116    | 5.6   | 11            | 1.6    | 1     |
|                                                                            | INCOMPETENT CERVIX                                       | 337    | 2.9   | 229            | 2.7   | 100    | 4.8   | 7             | 1.0    | 1     |
|                                                                            | PREVIOUS INFANT 4000+ GRAMS                              | 833    | 7.2   | 720            | 8.5   | 89     | 4.3   | 24            | 3.4    | 0     |
|                                                                            | PREVIOUS PRETERM OR SMALL-FOR-<br>GESTATIONAL-AGE INFANT | 1,072  | 9.3   | 718            | 8.5   | 300    | 14.5  | 48            | 6.8    | 6     |
|                                                                            | RENAL DISEASE                                            | 187    | 1.6   | 146            | 1.7   | 31     | 1.5   | 10            | 1.4    | 0     |
|                                                                            | Rh SENSITIZATION                                         | 531    | 4.6   | 442            | 5.2   | 80     | 3.9   | 8             | 1.1    | 1     |
|                                                                            | UTERINE BLEEDING                                         | 312    | 2.7   | 245            | 2.9   | 43     | 2.1   | 24            | 3.4    | 0     |
|                                                                            | OTHER RISK FACTOR                                        | 14,401 | 125.3 | 9,903          | 117.5 | 3,709  | 179.0 | 737           | 105.1  | 52    |
| * RATES ARE COMPUTED PER 1,000 LIVE BIRTHS IN THE SPECIFIC RACIAL CATEGORY |                                                          |        |       |                |       |        |       |               |        |       |

\* RATES ARE COMPUTED PER 1,000 LIVE BIRTHS IN THE SPECIFIC RACIAL CATEGORY

**TABLE N22A. MEDICAL RISK FACTORS OF THIS PREGNANCY REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS, BY MOTHERS OF HISPANIC ORIGIN  
NEW JERSEY, 1995**

| <b>MEDICAL RISK</b>                                  | <b>NUMBER</b> | <b>RATE*</b> |
|------------------------------------------------------|---------------|--------------|
| NONE                                                 | 13,387        | 722.6        |
| ANEMIA (Hct.<30/Hgb.<10)                             | 597           | 32.2         |
| CARDIAC DISEASE                                      | 112           | 6.0          |
| ACUTE OR CHRONIC LUNG DISEASE                        | 218           | 11.8         |
| DIABETES                                             | 539           | 29.1         |
| GENITAL HERPES                                       | 49            | 2.6          |
| OTHER SEXUALLY TRANSMITTED DISEASES                  | 616           | 33.3         |
| HYDRAMNIOS/OLIGOHYDRAMNIOS                           | 250           | 13.5         |
| HEMOGLOBINOPATHY                                     | 9             | 0.5          |
| HYPERTENSION, CHRONIC                                | 97            | 5.2          |
| HYPERTENSION, PREGNANCY-ASSOCIATED                   | 439           | 23.7         |
| ECLAMPSIA                                            | 70            | 3.8          |
| INCOMPETENT CERVIX                                   | 40            | 2.2          |
| PREVIOUS INFANT 4000+ GRAMS                          | 100           | 5.4          |
| PREVIOUS PRETERM OR SMALL-FOR-GESTATIONAL-AGE INFANT | 166           | 9.0          |
| RENAL DISEASE                                        | 27            | 1.5          |
| Rh SENSITIZATION                                     | 98            | 5.3          |
| UTERINE BLEEDING                                     | 31            | 1.7          |
| OTHER RISK FACTOR                                    | 2,648         | 142.9        |

\* RATES ARE COMPUTED PER 1,000 BIRTHS TO MOTHERS OF HISPANIC ORIGIN

TABLE N23. COMPLICATIONS OF LABOR AND/OR DELIVERY REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS,  
BY RACE OF MOTHER  
NEW JERSEY, 1995

| COMPLICATION                              | TOTAL  |       | WHITE  |       | BLACK  |       | OTHER  |       | NOT STATED |
|-------------------------------------------|--------|-------|--------|-------|--------|-------|--------|-------|------------|
|                                           | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* |            |
| NONE                                      | 70,784 | 616.0 | 53,434 | 633.9 | 12,361 | 596.5 | 4,728  | 674.1 | 261        |
| FEBRILE (>100F OR 38C)                    | 1,107  | 9.6   | 793    | 9.4   | 225    | 10.9  | 84     | 12.0  | 5          |
| MECONIUM, MODERATE/HEAVY                  | 4,945  | 43.0  | 3,292  | 39.1  | 1,408  | 67.9  | 233    | 33.2  | 12         |
| PREMATURE RUPTURE OF MEMBRANE (>12 HOURS) | 3,202  | 27.9  | 2,314  | 27.5  | 700    | 33.8  | 178    | 25.4  | 10         |
| ABRUPTIO PLACENTA                         | 567    | 4.9   | 381    | 4.5   | 153    | 7.4   | 31     | 4.4   | 2          |
| PLACENTA PREVIA                           | 422    | 3.7   | 298    | 3.5   | 94     | 4.5   | 30     | 4.3   | 0          |
| OTHER EXCESSIVE BLEEDING                  | 2,252  | 19.6  | 1,748  | 20.7  | 327    | 15.8  | 173    | 24.7  | 4          |
| SEIZURES DURING LABOR                     | 40     | 0.3   | 21     | 0.2   | 16     | 0.8   | 2      | 0.3   | 1          |
| PRECIPITOUS LABOR (<3 HOURS)              | 2,214  | 19.3  | 1,674  | 19.9  | 409    | 19.7  | 125    | 17.8  | 6          |
| PROLONGED LABOR (>20 HOURS)               | 1,180  | 10.3  | 872    | 10.3  | 241    | 11.6  | 65     | 9.3   | 2          |
| DYSFUNCTIONAL LABOR                       | 1,684  | 14.7  | 1,340  | 15.9  | 250    | 12.1  | 89     | 12.7  | 5          |
| BREECH/MALPRESENTATION                    | 3,772  | 32.8  | 2,946  | 34.9  | 604    | 29.1  | 217    | 30.9  | 5          |
| CEPHALOPELVIC DISPROPORTION               | 2,802  | 24.4  | 2,120  | 25.2  | 494    | 23.8  | 180    | 25.7  | 8          |
| CORD PROLAPSE                             | 323    | 2.8   | 234    | 2.8   | 76     | 3.7   | 13     | 1.9   | 0          |
| ANAESTHETIC COMPLICATIONS                 | 71     | 0.6   | 60     | 0.7   | 6      | 0.3   | 5      | 0.7   | 0          |
| FETAL DISTRESS                            | 3,580  | 31.2  | 2,557  | 30.3  | 841    | 40.6  | 171    | 24.4  | 11         |
| OTHER                                     | 19,660 | 171.1 | 14,271 | 169.3 | 4,258  | 205.5 | 1,080  | 154.0 | 51         |

\* RATES ARE COMPUTED PER 1,000 LIVE BIRTHS IN THE SPECIFIC RACIAL CATEGORY



**TABLE N24. OBSTETRIC PROCEDURES PERFORMED REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS  
BY RACE OF MOTHER  
NEW JERSEY, 1995**

| PROCEDURE                   | TOTAL  |         | WHITE  |         | BLACK  |         | OTHER  |         | NOT STATED |
|-----------------------------|--------|---------|--------|---------|--------|---------|--------|---------|------------|
|                             | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER     |
| NONE                        | 6,008  | 5.2     | 4,192  | 5.0     | 1,248  | 6.0     | 535    | 7.6     | 33         |
| AMNIOCENTESIS               | 7,013  | 6.1     | 5,973  | 7.1     | 657    | 3.2     | 359    | 5.1     | 24         |
| ELECTRONIC FETAL MONITORING | 92,965 | 80.9    | 69,847 | 82.9    | 17,163 | 82.8    | 5,667  | 80.8    | 288        |
| INDUCTION OF LABOR          | 14,399 | 12.5    | 11,271 | 13.4    | 2,381  | 11.5    | 709    | 10.1    | 38         |
| STIMULATION OF LABOR        | 21,123 | 18.4    | 15,668 | 18.6    | 3,997  | 19.3    | 1,402  | 20.0    | 56         |
| TOCOLYSIS                   | 1,746  | 1.5     | 1,298  | 1.5     | 372    | 1.8     | 71     | 1.0     | 5          |
| ULTRASOUND                  | 58,719 | 51.1    | 44,546 | 52.8    | 10,759 | 51.9    | 3,228  | 46.0    | 186        |
| OTHER                       | 11,348 | 9.9     | 9,300  | 11.0    | 1,131  | 5.5     | 888    | 12.7    | 29         |

NOTE: THE PERCENT IS THE NUMBER OF PROCEDURES PERFORMED PER 100 WOMEN WHO GAVE BIRTH IN THE RACIAL GROUP

| TABLE N25. RESIDENT BIRTHS BY BIRTH WEIGHT OF CHILD AND AGE AND RACE OF MOTHER<br>NEW JERSEY, 1995 |              |                          |                      |                         |            |
|----------------------------------------------------------------------------------------------------|--------------|--------------------------|----------------------|-------------------------|------------|
| AGE & RACE OF<br>MOTHER                                                                            | TOTAL BIRTHS | WEIGHT AT BIRTH          |                      |                         |            |
|                                                                                                    |              | LESS THAN<br>1,500 GRAMS | 1,500-2,499<br>GRAMS | 2,500 GRAMS<br>AND OVER | NOT STATED |
| <b>UNDER 15</b>                                                                                    |              |                          |                      |                         |            |
| White                                                                                              | 84           | 0                        | 8                    | 75                      | 1          |
| Black                                                                                              | 138          | 3                        | 19                   | 113                     | 3          |
| Other                                                                                              | 2            | 0                        | 0                    | 2                       | 0          |
| Not Stated                                                                                         | 3            | 0                        | 0                    | 3                       | 0          |
| <b>15-19</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 4,990        | 78                       | 369                  | 4,537                   | 6          |
| Black                                                                                              | 3,800        | 106                      | 344                  | 3,343                   | 7          |
| Other                                                                                              | 229          | 5                        | 19                   | 205                     | 0          |
| Not Stated                                                                                         | 98           | 0                        | 4                    | 59                      | 35         |
| Total                                                                                              | 9,117        | 189                      | 736                  | 8,144                   | 48         |
| <b>20-24</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 11,953       | 133                      | 646                  | 11,127                  | 47         |
| Black                                                                                              | 5,421        | 139                      | 514                  | 4,753                   | 15         |
| Other                                                                                              | 937          | 7                        | 76                   | 849                     | 5          |
| Not Stated                                                                                         | 265          | 4                        | 6                    | 77                      | 178        |
| Total                                                                                              | 18,576       | 283                      | 1,242                | 16,806                  | 245        |
| <b>25-29</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 23,468       | 233                      | 1,037                | 22,082                  | 116        |
| Black                                                                                              | 5,278        | 164                      | 524                  | 4,579                   | 11         |
| Other                                                                                              | 2,329        | 24                       | 154                  | 2,142                   | 9          |
| Not Stated                                                                                         | 628          | 4                        | 7                    | 87                      | 530        |
| Total                                                                                              | 31,703       | 425                      | 1,722                | 28,890                  | 666        |
| <b>30-34</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 28,674       | 273                      | 1,328                | 26,941                  | 132        |
| Black                                                                                              | 3,947        | 173                      | 410                  | 3,349                   | 15         |
| Other                                                                                              | 2,293        | 18                       | 123                  | 2,142                   | 10         |
| Not Stated                                                                                         | 1,062        | 1                        | 4                    | 89                      | 968        |
| Total                                                                                              | 35,976       | 465                      | 1,865                | 32,521                  | 1,125      |
| <b>35-39</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 12,935       | 168                      | 692                  | 12,000                  | 75         |
| Black                                                                                              | 1,771        | 74                       | 179                  | 1,517                   | 1          |
| Other                                                                                              | 1,047        | 25                       | 76                   | 940                     | 6          |
| Not Stated                                                                                         | 663          | 6                        | 5                    | 44                      | 608        |
| Total                                                                                              | 16,416       | 273                      | 952                  | 14,501                  | 690        |
| <b>40-44</b>                                                                                       |              |                          |                      |                         |            |
| White                                                                                              | 2,075        | 24                       | 147                  | 1,892                   | 12         |
| Black                                                                                              | 330          | 12                       | 48                   | 268                     | 2          |
| Other                                                                                              | 167          | 3                        | 15                   | 148                     | 1          |
| Not Stated                                                                                         | 131          | 1                        | 0                    | 4                       | 126        |
| Total                                                                                              | 2,703        | 40                       | 210                  | 2,312                   | 141        |
| <b>45 AND OVER</b>                                                                                 |              |                          |                      |                         |            |
| White                                                                                              | 78           | 0                        | 6                    | 71                      | 1          |
| Black                                                                                              | 7            | 0                        | 1                    | 6                       | 0          |
| Other                                                                                              | 6            | 1                        | 0                    | 5                       | 0          |
| Not Stated                                                                                         | 18           | 0                        | 0                    | 0                       | 18         |
| Total                                                                                              | 109          | 1                        | 7                    | 82                      | 19         |
| <b>NOT STATED</b>                                                                                  |              |                          |                      |                         |            |
| White                                                                                              | 36           | 1                        | 3                    | 32                      | 0          |
| Black                                                                                              | 31           | 13                       | 0                    | 18                      | 0          |
| Other                                                                                              | 4            | 1                        | 0                    | 3                       | 0          |
| Not Stated                                                                                         | 7            | 1                        | 1                    | 5                       | 0          |
| Total                                                                                              | 78           | 16                       | 4                    | 58                      | 0          |
| <b>TOTAL</b>                                                                                       | 114,905      | 1,695                    | 6,765                | 103,507                 | 2,938      |

**TABLE N26. BIRTHS BY BIRTH WEIGHT AND MOTHER'S COUNTY OF RESIDENCE  
NEW JERSEY, 1995**

| COUNTY     | TOTAL   | WEIGHT AT BIRTH          |                      |                         |            |
|------------|---------|--------------------------|----------------------|-------------------------|------------|
|            |         | LESS THAN<br>1,500 GRAMS | 1,500-2,499<br>GRAMS | 2,500 GRAMS<br>AND OVER | NOT STATED |
| ATLANTIC   | 3,665   | 60                       | 217                  | 3,369                   | 19         |
| BERGEN     | 10,735  | 115                      | 472                  | 9,344                   | 804        |
| BURLINGTON | 5,031   | 62                       | 227                  | 4,729                   | 13         |
| CAMDEN     | 7,565   | 121                      | 511                  | 6,913                   | 20         |
| CAPE MAY   | 1,175   | 14                       | 64                   | 1,090                   | 7          |
| CUMBERLAND | 2,010   | 30                       | 123                  | 1,855                   | 2          |
| ESSEX      | 12,647  | 306                      | 1,008                | 11,083                  | 250        |
| GLOUCESTER | 3,181   | 26                       | 171                  | 2,976                   | 8          |
| HUDSON     | 8,992   | 175                      | 613                  | 7,769                   | 435        |
| HUNTERDON  | 1,448   | 22                       | 62                   | 1,350                   | 14         |
| MERCER     | 4,430   | 75                       | 290                  | 4,023                   | 42         |
| MIDDLESEX  | 10,056  | 124                      | 565                  | 9,059                   | 308        |
| MONMOUTH   | 8,137   | 91                       | 456                  | 7,232                   | 358        |
| MORRIS     | 6,150   | 63                       | 278                  | 5,715                   | 94         |
| OCEAN      | 6,096   | 88                       | 270                  | 5,548                   | 190        |
| PASSAIC    | 7,950   | 130                      | 521                  | 7,180                   | 119        |
| SALEM      | 833     | 4                        | 60                   | 769                     | 0          |
| SOMERSET   | 3,987   | 30                       | 211                  | 3,663                   | 83         |
| SUSSEX     | 1,910   | 21                       | 102                  | 1,771                   | 16         |
| UNION      | 7,371   | 119                      | 475                  | 6,630                   | 147        |
| WARREN     | 1,304   | 16                       | 64                   | 1,218                   | 6          |
| MILITARY   | 224     | 3                        | 4                    | 215                     | 2          |
| NOT STATED | 8       | 0                        | 1                    | 6                       | 1          |
| TOTAL      | 114,905 | 1,695                    | 6,765                | 103,507                 | 2,938      |

**TABLE N27. RESIDENT BIRTHS BY BIRTH WEIGHT AND  
NUMBER OF PREVIOUS PREGNANCY TERMINATIONS  
NEW JERSEY, 1995**

| NUMBER OF<br>PREVIOUS<br>PREGNANCY<br>TERMINATIONS* | TOTAL<br>BIRTHS | WEIGHT AT BIRTH      |                         |               |                                  |
|-----------------------------------------------------|-----------------|----------------------|-------------------------|---------------|----------------------------------|
|                                                     |                 | UNDER<br>2,500 GRAMS | 2,500 GRAMS<br>AND OVER | NOT<br>STATED | PERCENT LOW<br>BIRTH<br>WEIGHT** |
| ZERO                                                | 75,778          | 5,497                | 70,006                  | 275           | 7.3                              |
| ONE                                                 | 20,067          | 1,447                | 18,549                  | 71            | 7.2                              |
| TWO                                                 | 7,784           | 703                  | 7,049                   | 32            | 9.0                              |
| THREE OR MORE                                       | 3,960           | 418                  | 3,525                   | 17            | 10.6                             |
| NOT STATED                                          | 7,316           | 395                  | 4,378                   | 2,543         | 5.4                              |
| TOTAL                                               | 114,905         | 8,460                | 103,507                 | 2,938         | 7.4                              |

\* NUMBER OF FETAL DEATHS, SPONTANEOUS OR INDUCED  
 \*\* PERCENT OF LIVE BIRTHS WEIGHING LESS THAN 2,500 GRAMS (5 LBS. 8 OZ.)

**TABLE N28. RESIDENT BIRTHS BY BIRTH WEIGHT AND ONSET OF PRENATAL CARE  
NEW JERSEY, 1995**

| ONSET OF<br>PRENATAL CARE | TOTAL<br>BIRTHS | WEIGHT AT BIRTH      |                         |            |                                 |
|---------------------------|-----------------|----------------------|-------------------------|------------|---------------------------------|
|                           |                 | UNDER 2,500<br>GRAMS | 2,500 GRAMS<br>AND OVER | NOT STATED | PERCENT LOW<br>BIRTH<br>WEIGHT* |
| FIRST TRIMESTER           | 85,699          | 5,692                | 79,733                  | 274        | 6.6                             |
| SECOND TRIMESTER          | 13,730          | 1,079                | 12,617                  | 34         | 7.9                             |
| THIRD TRIMESTER           | 3,064           | 238                  | 2,816                   | 10         | 7.8                             |
| NO CARE                   | 1,298           | 389                  | 906                     | 3          | 30.0                            |
| NOT STATED                | 11,114          | 1,062                | 7,435                   | 2,617      | 9.6                             |
| TOTAL                     | 114,905         | 8,460                | 103,507                 | 2,938      | 7.4                             |

\* PERCENT OF LIVE BIRTHS WEIGHING LESS THAN 2,500 GRAMS (5 LBS. 8 OZ.)

| TABLE N29. RESIDENT BIRTHS BY BIRTH WEIGHT OF CHILD, ONSET OF PRENATAL CARE, AND RACE OF MOTHER<br>NEW JERSEY, 1995 |                 |                   |         |                   |         |                    |         |            |         |
|---------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|---------|-------------------|---------|--------------------|---------|------------|---------|
| RACE AND ONSET OF<br>PRENATAL CARE                                                                                  | TOTAL<br>BIRTHS | WEIGHT AT BIRTH   |         |                   |         |                    |         |            |         |
|                                                                                                                     |                 | UNDER 1,500 GRAMS |         | 1,500-2,499 GRAMS |         | 2,500 GRAMS & OVER |         | NOT STATED |         |
|                                                                                                                     |                 | NUMBER            | PERCENT | NUMBER            | PERCENT | NUMBER             | PERCENT | NUMBER     | PERCENT |
| <b>WHITE</b>                                                                                                        |                 |                   |         |                   |         |                    |         |            |         |
| First Trimester                                                                                                     | 67,545          | 644               | 1.0     | 3,155             | 4.7     | 63,520             | 94.0    | 226        | 0.3     |
| Second Trimester                                                                                                    | 8,419           | 66                | 0.8     | 468               | 5.6     | 7,861              | 93.4    | 24         | 0.3     |
| Third Trimester                                                                                                     | 1,707           | 8                 | 0.5     | 103               | 6.0     | 1,588              | 93.0    | 8          | 0.5     |
| No Care                                                                                                             | 400             | 27                | 6.8     | 73                | 18.3    | 300                | 75.0    | 0          | 0.0     |
| Not Stated                                                                                                          | 6,222           | 165               | 2.7     | 437               | 7.0     | 5,488              | 88.2    | 132        | 2.1     |
| Total                                                                                                               | 84,293          | 910               | 1.1     | 4,236             | 5.0     | 78,757             | 93.4    | 390        | 0.5     |
| <b>BLACK</b>                                                                                                        |                 |                   |         |                   |         |                    |         |            |         |
| First Trimester                                                                                                     | 12,684          | 397               | 3.1     | 1,098             | 8.7     | 11,162             | 88.0    | 27         | 0.2     |
| Second Trimester                                                                                                    | 4,262           | 84                | 2.0     | 386               | 9.1     | 3,784              | 88.8    | 8          | 0.2     |
| Third Trimester                                                                                                     | 1,101           | 11                | 1.0     | 99                | 9.0     | 989                | 89.8    | 2          | 0.2     |
| No Care                                                                                                             | 864             | 86                | 10.0    | 194               | 22.5    | 581                | 67.2    | 3          | 0.3     |
| Not Stated                                                                                                          | 1,812           | 106               | 5.8     | 262               | 14.5    | 1,430              | 78.9    | 14         | 0.8     |
| Total                                                                                                               | 20,723          | 684               | 3.3     | 2,039             | 9.8     | 17,946             | 86.6    | 54         | 0.3     |
| <b>OTHER</b>                                                                                                        |                 |                   |         |                   |         |                    |         |            |         |
| First Trimester                                                                                                     | 5,236           | 50                | 1.0     | 331               | 6.3     | 4,835              | 92.3    | 20         | 0.4     |
| Second Trimester                                                                                                    | 963             | 11                | 1.1     | 56                | 5.8     | 894                | 92.8    | 2          | 0.2     |
| Third Trimester                                                                                                     | 245             | 2                 | 0.8     | 15                | 6.1     | 228                | 93.1    | 0          | 0.0     |
| No Care                                                                                                             | 28              | 1                 | 3.6     | 4                 | 14.3    | 23                 | 82.1    | 0          | 0.0     |
| Not Stated                                                                                                          | 542             | 20                | 3.7     | 57                | 10.5    | 456                | 84.1    | 9          | 1.7     |
| Total                                                                                                               | 7,014           | 84                | 1.2     | 463               | 6.6     | 6,436              | 91.8    | 31         | 0.4     |
| <b>NOT STATED</b>                                                                                                   |                 |                   |         |                   |         |                    |         |            |         |
| First Trimester                                                                                                     | 234             | 8                 | 3.4     | 9                 | 3.8     | 216                | 92.3    | 1          | 0.4     |
| Second Trimester                                                                                                    | 86              | 2                 | 2.3     | 6                 | 7.0     | 78                 | 90.7    | 0          | 0.0     |
| Third Trimester                                                                                                     | 11              | 0                 | 0.0     | 0                 | 0.0     | 11                 | 100.0   | 0          | 0.0     |
| No Care                                                                                                             | 6               | 2                 | 33.3    | 2                 | 33.3    | 2                  | 33.3    | 0          | 0.0     |
| Not Stated                                                                                                          | 2,538           | 5                 | 0.2     | 10                | 0.4     | 61                 | 2.4     | 2,462      | 97.0    |
| Total                                                                                                               | 2,875           | 17                | 0.6     | 27                | 0.9     | 368                | 12.8    | 2,463      | 85.7    |
| <b>TOTAL</b>                                                                                                        |                 |                   |         |                   |         |                    |         |            |         |
| First Trimester                                                                                                     | 85,699          | 1,099             | 1.3     | 4,593             | 5.4     | 79,733             | 93.0    | 274        | 0.3     |
| Second Trimester                                                                                                    | 13,730          | 163               | 1.2     | 916               | 6.7     | 12,617             | 91.9    | 34         | 0.2     |
| Third Trimester                                                                                                     | 3,064           | 21                | 0.7     | 217               | 7.1     | 2,816              | 91.9    | 10         | 0.3     |
| No Care                                                                                                             | 1,298           | 116               | 8.9     | 273               | 21.0    | 906                | 69.8    | 3          | 0.2     |
| Not Stated                                                                                                          | 11,114          | 296               | 2.7     | 766               | 6.9     | 7,435              | 66.9    | 2,617      | 23.5    |
| Total                                                                                                               | 114,905         | 1,695             | 1.5     | 6,765             | 5.9     | 103,507            | 90.1    | 2,938      | 2.6     |

| TABLE N30. RESIDENT BIRTHS BY FIVE-MINUTE APGAR SCORE AND RACE OF MOTHER<br>NEW JERSEY, 1995 |         |         |        |         |        |         |        |         |            |         |
|----------------------------------------------------------------------------------------------|---------|---------|--------|---------|--------|---------|--------|---------|------------|---------|
| APGAR<br>SCORE                                                                               | TOTAL   |         | WHITE  |         | BLACK  |         | OTHER  |         | NOT STATED |         |
|                                                                                              | NUMBER  | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER     | PERCENT |
| 0-6                                                                                          | 1,129   | 1.0     | 647    | 0.8     | 421    | 2.0     | 49     | 0.7     | 12         | 0.4     |
| 7-10                                                                                         | 108,103 | 94.1    | 80,971 | 96.1    | 19,934 | 96.2    | 6,846  | 97.6    | 352        | 12.2    |
| NOT STATED                                                                                   | 5,673   | 4.9     | 2,675  | 3.2     | 368    | 1.8     | 119    | 1.7     | 2,511      | 87.3    |
| TOTAL                                                                                        | 114,905 | 100.0   | 84,293 | 100.0   | 20,723 | 100.0   | 7,014  | 100.0   | 2,875      | 100.0   |

| TABLE N31. RESIDENT BIRTHS BY FIVE-MINUTE APGAR SCORE AND AGE OF MOTHER<br>NEW JERSEY, 1995 |         |       |          |       |       |       |        |       |        |       |        |       |           |       |            |       |
|---------------------------------------------------------------------------------------------|---------|-------|----------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-----------|-------|------------|-------|
| APGAR<br>SCORE                                                                              | TOTAL   |       | UNDER 15 |       | 15-19 |       | 20-24  |       | 25-34  |       | 35-44  |       | 45 & OVER |       | NOT STATED |       |
|                                                                                             | NO.     | %     | NO.      | %     | NO.   | %     | NO.    | %     | NO.    | %     | NO.    | %     | NO.       | %     | NO.        | %     |
| 0-6                                                                                         | 1,129   | 1.0   | 4        | 1.8   | 134   | 1.5   | 200    | 1.1   | 586    | 0.9   | 191    | 1.0   | 0         | 0.0   | 14         | 17.9  |
| 7-10                                                                                        | 108,103 | 94.1  | 221      | 97.4  | 8,850 | 97.1  | 17,919 | 96.5  | 63,535 | 93.9  | 17,446 | 91.2  | 82        | 75.2  | 50         | 64.1  |
| NOT<br>STATED                                                                               | 5,673   | 4.9   | 2        | 0.9   | 133   | 1.5   | 457    | 2.5   | 3,558  | 5.3   | 1,482  | 7.8   | 27        | 24.8  | 14         | 17.9  |
| TOTAL                                                                                       | 114,905 | 100.0 | 227      | 100.0 | 9,117 | 100.0 | 18,576 | 100.0 | 67,679 | 100.0 | 19,119 | 100.0 | 109       | 100.0 | 78         | 100.0 |

| TABLE N32. RESIDENT BIRTHS BY FIVE-MINUTE APGAR SCORE AND ONSET OF PRENATAL CARE<br>NEW JERSEY, 1995 |         |       |                 |       |                  |       |                 |       |         |       |            |       |
|------------------------------------------------------------------------------------------------------|---------|-------|-----------------|-------|------------------|-------|-----------------|-------|---------|-------|------------|-------|
| APGAR<br>SCORE                                                                                       | TOTAL   |       | FIRST TRIMESTER |       | SECOND TRIMESTER |       | THIRD TRIMESTER |       | NO CARE |       | NOT STATED |       |
|                                                                                                      | NO.     | %     | NO.             | %     | NO.              | %     | NO.             | %     | NO.     | %     | NO.        | %     |
| 0-6                                                                                                  | 1,129   | 1.0   | 735             | 0.9   | 145              | 1.1   | 24              | 0.8   | 82      | 6.3   | 143        | 1.3   |
| 7-10                                                                                                 | 108,103 | 94.1  | 84,401          | 98.5  | 13,515           | 98.4  | 3,019           | 98.5  | 1,145   | 88.2  | 6,023      | 54.2  |
| NOT STATED                                                                                           | 5,673   | 4.9   | 563             | 0.7   | 70               | 0.5   | 21              | 0.7   | 71      | 5.5   | 4,948      | 44.5  |
| TOTAL                                                                                                | 114,905 | 100.0 | 85,699          | 100.0 | 13,730           | 100.0 | 3,064           | 100.0 | 1,298   | 100.0 | 11,114     | 100.0 |

**TABLE N33. ABNORMAL CONDITIONS OF NEWBORN REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS, BY RACE OF MOTHER  
NEW JERSEY, 1995**

| ABNORMAL CONDITION             | TOTAL   |       | WHITE  |       | BLACK  |       | OTHER  |       | NOT STATED |       |
|--------------------------------|---------|-------|--------|-------|--------|-------|--------|-------|------------|-------|
|                                | NUMBER  | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER     | RATE* |
| NONE                           | 100,933 | 878.4 | 75,652 | 897.5 | 18,407 | 888.2 | 6,534  | 931.6 | 340        |       |
| ANEMIA (Hct<39/Hgb<13)         | 112     | 1.0   | 83     | 1.0   | 21     | 1.0   | 8      | 1.1   | 0          |       |
| BIRTH INJURY                   | 125     | 1.1   | 100    | 1.2   | 19     | 0.9   | 5      | 0.7   | 1          |       |
| FETAL ALCOHOL SYNDROME         | 24      | 0.2   | 16     | 0.2   | 7      | 0.3   | 1      | 0.1   | 0          |       |
| HYALINE MEMBRANE DISEASE/RDS   | 491     | 4.3   | 352    | 4.2   | 125    | 6.0   | 13     | 1.9   | 1          |       |
| MECONIUM ASPIRATION SYNDROME   | 219     | 1.9   | 163    | 1.9   | 46     | 2.2   | 10     | 1.4   | 0          |       |
| ASSISTED VENTILATION <30 MIN.  | 212     | 1.8   | 130    | 1.5   | 63     | 3.0   | 17     | 2.4   | 2          |       |
| ASSISTED VENTILATION >=30 MIN. | 558     | 4.9   | 378    | 4.5   | 142    | 6.9   | 34     | 4.8   | 4          |       |
| SEIZURES                       | 34      | 0.3   | 25     | 0.3   | 9      | 0.4   | 0      | 0.0   | 0          |       |
| OTHER                          | 4,240   | 36.9  | 2,820  | 33.5  | 1,233  | 59.5  | 172    | 24.5  | 15         |       |

\* RATES ARE COMPUTED PER 1,000 LIVE BIRTHS IN THE SPECIFIC RACIAL CATEGORY

TABLE N34. CONGENITAL ANOMALIES OF NEWBORN REPORTED ON CERTIFICATES OF RESIDENT LIVE BIRTHS, BY RACE OF MOTHER  
NEW JERSEY, 1995

|                                            | TOTAL   |       | WHITE  |       | BLACK  |       | OTHER  |       | NOT<br>STATED |
|--------------------------------------------|---------|-------|--------|-------|--------|-------|--------|-------|---------------|
|                                            | NUMBER  | RATE* | NUMBER | RATE* | NUMBER | RATE* | NUMBER | RATE* |               |
| NONE                                       | 105,352 | 916.9 | 78,750 | 934.2 | 19,623 | 946.9 | 6,636  | 946.1 | 343           |
| CENTRAL NERVOUS SYSTEM ANOMALY             | 111     | 1.0   | 78     | 0.9   | 28     | 1.4   | 2      | 0.3   | 3             |
| HEART MALFORMATION                         | 113     | 1.0   | 100    | 1.2   | 7      | 0.3   | 6      | 0.9   | 0             |
| OTHER CIRCULATORY/RESPIRATORY ANOMALY      | 169     | 1.5   | 137    | 1.6   | 29     | 1.4   | 3      | 0.4   | 0             |
| GASTROINTESTINAL ANOMALY                   | 81      | 0.7   | 63     | 0.7   | 15     | 0.7   | 3      | 0.4   | 0             |
| UROGENITAL ANOMALY                         | 263     | 2.3   | 213    | 2.5   | 40     | 1.9   | 9      | 1.3   | 1             |
| CLEFT LIP/PALATE                           | 63      | 0.5   | 47     | 0.6   | 9      | 0.4   | 6      | 0.9   | 1             |
| POLYDACTYLY/SYNDACTYLY/ADACTYLY            | 87      | 0.8   | 42     | 0.5   | 43     | 2.1   | 2      | 0.3   | 0             |
| CLUB FOOT                                  | 46      | 0.4   | 38     | 0.5   | 6      | 0.3   | 2      | 0.3   | 0             |
| OTHER MUSCULOSKELETAL/INTEGUMENTAL ANOMALY | 172     | 1.5   | 128    | 1.5   | 36     | 1.7   | 7      | 1.0   | 1             |
| DOWN SYNDROME                              | 43      | 0.4   | 36     | 0.4   | 4      | 0.2   | 2      | 0.3   | 1             |
| OTHER CHROMOSOMAL ANOMALY                  | 31      | 0.3   | 26     | 0.3   | 4      | 0.2   | 1      | 0.1   | 0             |
| OTHER                                      | 1,173   | 10.2  | 821    | 9.7   | 284    | 13.7  | 59     | 8.4   | 9             |

\* RATES ARE COMPUTED PER 1,000 LIVE BIRTHS IN THE SPECIFIC RACIAL CATEGORY